«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

REPORT

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

6B07215 Technology of food products, 7M07218 Technology of food products (major), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building material, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere

M.Kh. DULATY TARAZ STATE UNIVERSITY

Site Visit Dates: from 28 to 30 November 2019

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
Accreditation
IAAR Council

REPORT

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M. Kh. DULATY TARAZ STATE UNIVERSITY
from November 28 to November 30, 2019

Taraz, 2019

CONTENTS

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

AC	Academic calendar
IAAR	Independent Agency for Accreditation and Rating
EEC	External expert commission
TarSU	Taraz State University
RSTE	Republican State Treasury Enterprise
SP	Study Program
NAS RK	National Academy of Sciences of the Republic of Kazakhstan
PBMPS	Production of building materials, products and structures
KazLAACE	Kazakh Leading Academy of Architecture and Civil Engineering
SRC	Scientific-research centre
TFP	Technology of Food Products
LS	Life Safety
LST	Life Safety in the technosphere
PCCP	Production of concrete and ceramic products
MBM	Modern building material
AS	Academic Staff
CPM	Construction and production of materials
TFPPIB	Technology of food products, processing industries and biotechnology
BD	Basic disciplines
HE	Higher Education
SCC	State Certification Commission
SES	State educational standard
SE	State Exam
EHEA	European Higher Education Area
ILC	Information and library complex
FSC	Final state certification
FC	Final control
IT	Information Technology
CLT	Credit Learning Technology
CED	Catalog of Elective Disciplines
MEP	Modular Education Program
RW	Research work
SRW	Students Research work
GS	General subjects
Major	Majors
РМЭБ	Republican Interuniversity Digital Library
MC	Milestone control
Curriculum	Curriculum
QMS	Quality Management System
WC	Working curriculum
ED	Educational department
EMCD	Educational-methodical complex of discipline
TC	Training Council
ECTS	European Credit Transfer System
EAAA	External assessment of academic achievement

(II) INTRODUCTION

In accordance with the order No. 110-19-OD dated 10/22/2019 of the Independent Agency for Accreditation and Rating, from November 28 to 30, 2019, an external expert commission assessed the compliance of educational programs 6B07215 Technology of food products, 7M07218 Technology of food products (prof.) , 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere of M.Kh.Dulaty Taraz State University with IAAR specialized accreditation standards (№10-17-OD on February 24, 2017, fifth edition).

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

The composition of the EEC:

1. **The chairman of the commission** is Turtkaraeva Gulnara Bayanovna, candidate of pedagogical sciences, associate professor, Kokshetau State University named after Sh. Ualikhanova (Kokshetau);
2. **Foreign expert** - Ignacio Menéndez Pidal de Navascués, Professor, Doctor in Civil Engineering, Polytechnic University of Madrid (Madrid, Spain);
3. **Foreign expert** - Livia Nistor-Lopatenco, Ph.Dr. in Engineering, Dean of the Faculty Constructions, Geodesy and Cadastre, Technical University of Moldova (Chisinau, Republic of Moldova);
4. **Expert** - Ismayilova Guzal Amitovna, Doctor PhD, ass. prof., Kazakh National University. al-Farabi (Almaty);
5. **Expert** - Kalymova Kulziya Akrashevna, Ph.D., Eurasian National University named after L. Gumileva (Nur-Sultan);
6. **Expert** - Shaikenova Kimbat Khamitovna, candidate of agricultural sciences, associate professor, Kazakh Agro Technical University named after S. Seifullina (Nur-Sultan city);
7. **Expert** - Aldungarova Aliya Kairatovna, Doctor PhD, Associate Professor, Pavlodar State University named after S. Toraigyrov (Pavlodar);
8. **Expert** - Idrisheva Zhanat Kabylbekovna, candidate of technical sciences, East Kazakhstan State Technical University named after D. Serikbaev (Ust-Kamenogorsk);
9. **Expert** - Mursalimova Elmira Askarovna, Ph.D., Associate Professor, Kazakh National Agrarian University (Almaty);
10. **Expert** - Khamraev Sheripidin Itakhunovich, Ph.D., professor, Kazakh National Pedagogical University named after Abay (Almaty);
11. **Expert** - Bulashev Berdibek Kabkenovich, candidate of agricultural sciences, associate professor, S.A.Seifullin Kazakh Agrotechnical University (Nur-Sultan);
12. **Expert** - Abenova Elena Anatolievna, Ph.D., Associate Professor, Narxoz University (Almaty);
13. **Expert** - Sarsenova Lazzat Kadirgalievna, Ph.D., Kazakh National University named after al-Farabi (Almaty);
14. **Expert** - Kopishev Eldar Ertaevich, Ph.D., Acting Associate Professor, Eurasian National University. L.N. Gumileva (Nur-Sultan);
15. **Employer** - Akchalova Aigul Sagimbekovna, head of FE “Akchalova”, Restaurant “Marakesh”, “Piala”, “Monterey” (Taraz);
16. **Employer** - Ukasova Aida Halilovna, head of FE “Rakhimov” (Taraz);

17. **Student** - Ayana Baitytzyzy Bitenova, 2nd year student of the educational institution "5B080110-Plant Protection and Quarantine", Taraz University of the Humanities and Innovation and Humanities (Taraz);

18. **Student** - Adilbek Kudaibergen Nazymbekuly, 4th year student, SP 5B070400-Computer Engineering and Software, Taraz University of the Humanities and Innovation and Humanities (Taraz)

19. **Student** - Zhaymila Serikbaygyzy Құdaybergenova, 4th year student of the 5B011200 Chemistry, Taraz State Pedagogical University (Taraz);

20. **Student** - Umiralkhanov Azizkhan Najimkhanuly, 4th year student of the educational program "5B010900 Mathematics", Taraz State Pedagogical University (Taraz);

21. **The observer from Agency** is Timur Yerbolatovich Kanapyanov, PhD, Head of International Projects and Public Relations of the IAAR (Nur-Sultan).

(III) REPRESENTATION OF THE EDUCATION ORGANIZATION

Mohammed Haydar Dulaty Taraz State University (TarSU) was formed by the Decree of the Government of the Republic of Kazakhstan No. 256 dated 03.24.1998 by reorganization and merger of the Dzhambul irrigation and drainage and construction institute, the Dzhambul technological institute of light and food industry and the Zhambyl university.

As the republican state state-owned enterprise of the Ministry of Education and Science of the Republic of Kazakhstan, M.Kh.Dulaty Taraz State University was established in accordance with the Decree of the Government of the Republic of Kazakhstan "On the Reorganization of the Institutions of the Ministry of Education and Science of the Republic of Kazakhstan" No. 1879 dated 12/08/1999. In 2012, the Government of the Republic of Kazakhstan No. 544 dated 04/28/2012, State Enterprise "Taraz State University named after Mohammed Haydar Dulati" was transformed into a Republican state enterprise on the basis of economic management.

Personnel training at TarSU is carried out in accordance with the State license for educational activities in the field of higher and postgraduate professional education No. 12020167 of 11/14/2012, and the annexes to the license of 03/27/2017, 12/14/2012, 07/30/2019

In 2019, 192 educational programs were included in the Register, of which 106 undergraduate educational programs, 81 master's programs and 5 doctoral programs.

As part of the implementation of the multilingual education program in 13 specialties, academic groups have been formed where classes are conducted in three languages. Syllabus is compiled in accordance with regulatory requirements (50:30:20). The university plans to increase the share of educational programs implemented in three languages to 30%.

Over the past 5 years, the university has trained more than 13,000 specialists for the region and the country. The quality of training and the demand for graduates are determined by a rather high level of their employment (in the 2017-2018 academic year - 71.66%, according to employment indicators). In general, for the period from 2015-2018 On average, 77% of graduates were employed.

The contingent of full-time students as of November 05, 2019 is 6425 students (of which 1489 are based on the state educational grant), part-time students - 5239, distance learning -1103, evening classes - 388, 356 undergraduates and 44 doctoral students.

Currently, the total number of full-time teachers at the university is 630 people, including 39 doctors of sciences, professors, 242 candidates of sciences, associate

professors, 36 doctors of PhD, 262 masters. The university employs 25 people who are part of the NAS, industry academies of sciences and professional associations of the Republic of Kazakhstan.

The university consists of 9 faculties: faculty of economics and business; Faculty of Law; Faculty of Water Management, Ecology and Construction; Faculty of Oil, Gas and Mechanics; Faculty of Technology; Faculty of Information Technology, Automation and Telecommunications; Faculty of Humanities and Social Sciences; Faculty of Postgraduate Education; Faculty of distance learning. There are 43 departments in the structure of these faculties, including a military department.

M.Kh.Dulaty Taraz State University has a powerful modern material and technical base, which includes 56 objects with a total area of 161,340.75 sq.m.

Teaching and research processes are organized and held in 14 teaching and laboratory buildings with a total area of 73924.4 sq.m. There are 88 laboratories at the faculties equipped with the necessary equipment and measuring instruments. For educational purposes, the unique research laboratory "Nanoengineering Research Methods" is used, which is one of 15 engineering laboratories opened in the leading universities of Kazakhstan in the academic year 2007-2008 on the initiative of the President of the country N. Nazarbayev and is equipped unique modern foreign equipment.

M.Kh.Dulaty Taraz State University has a sufficient sports base, which consists of a combination of various indoor and outdoor sports facilities. The total area of gyms, venues and audiences is 4564.15 m2. The university has 7 indoor gyms equipped with appropriate sports equipment. The university also has a soccer field with grassy lawn and treadmills; field hockey field with regupole coating; 2 outdoor football pitches; 2 basketball and 2 volleyball courts; 4 tennis courts and a fitness camp. The area of open sports complexes is 22983 sq.m.

Currently, the university has three dormitories with a total area of 18,370.8 square meters for 804 beds. For the organization of student meals at the university, a youth leisure center "Zhastar Alemi" operates with a total area of 3069.9 sq.m. for 400 seats, as well as a cafe in the main building for 60 seats, 2 buffets - canteens in the technological building for 80 seats, 2 buffet-canteens in the hydro complex for 60 seats. Medical care for employees and students is provided by the health center and city clinic number 3.

In 2014, TarSU was recognized as the "Industry Leader" (certificate of the National Business Rating of the Republic of Kazakhstan), and the rector was recognized as "The Best Leader of the Year". In 2017, according to the results of the world rating of the Webometrics Ranking of World Universities research group (www. Webometrics.com), TarSU ranks 11104 among 20 thousand universities in the world, and 21 among 112 domestic universities. Since 2018, the university has been participating in the ranking of universities of the most "environmentally friendly" universities in the world Greenmetric.

The University is a member of 5 international, national and regional professional associations and associations: University of the Shanghai Cooperation Organization (SCO, dated 12.10.2012), Eurasian Association of Universities (dated 15.04.2015), European Association of Higher Education Institutions (EURASHE) (dated July 1, 2015), the Association of Universities of Central Asia (dated March 15, 2017), the Association of Asian Universities (dated June 25, 2017).

Personnel training in TarSU is carried out in accordance with the State license for educational activities in the field of higher and postgraduate professional education:

According to the old classifier:

- State license No. 12020167 of 12/14/2012, Appendix to license No. 01 of 03/27/2017 for the list of licensed types of work and services that are part of the licensed type of activity, higher education at SP 5B073100 - Life safety and environmental

protection, 5B073000 - Production of building materials, products and structures, 5B072700 - Technology of food products;

- Appendix No. 001 of December 14, 2012 to State License No. 12020167 of December 14, 2012 - postgraduate education: SP 6M072700 “Technology of food products (in the fields of application)”, 6M073000 “Production of building materials, products and structures”, 6M073100 “Life safety and environment protection".

According to the new classifier:

- Appendix No. 34 dated 07/03/2019 to the license for educational activities No. 12020167 dated 11/14/2012, sub-types of licensed activities - higher education, group for CPM - 6B073 - Architecture and construction;

- Appendix No. 34 dated 07/03/2019 to the license for educational activities No. 12020167 dated November 14, 2012, sub-types of licensed activities - higher education, group for CCI - 6B072 - Production and processing industries;

- Appendix No. 34 dated 07/03/2019 to the license for educational activities No. 12020167 dated November 14, 2012, sub-types of licensed activities - higher education, group for the LS - 6B112 - Hygiene and labor protection at work;

- Appendix No. 32 dated 07/03/2019 to the license for educational activities No. 12020167 dated 11/14/2012, subtypes of licensed activities - postgraduate education, 7M073 - Architecture and construction;

- Appendix No. 32 dated 07/03/2019 to the license for educational activities No. 12020167 dated 11/14/2012, subtypes of licensed activities - postgraduate education, 7M072 - Production and manufacturing industries;

- Appendix 32 dated 07/03/2019 to the license for educational activities No. 12020167 dated 11/14/2012, subtypes of licensed activities - postgraduate education, 7M112 - Hygiene and labor protection at work.

Over the past 5 years, the university has trained more than 13,000 specialists. The level of employment of graduates is in the 2017-2018 academic year. year - 71.66% (according to employment indicators). In general, for the period from 2015-2018 On average, 77% of graduates were employed.

Currently, the total number of full-time teachers at the university is 630, of which 41 are doctors of sciences, professors, 239 candidates of sciences, associate professors, 35 doctors of PhD, 262 masters. The university employs 25 people who are part of the NAS, industry academies of sciences and professional associations of the Republic of Kazakhstan.

The total area of buildings owned by the University is 161,340.75 sq.m. The university structure includes 9 faculties (faculty of economics and business; faculty of law; faculty of water management, ecology and construction; faculty of oil, gas and mechanics; faculty of technology; faculty of information technology, automation and telecommunications; faculty of humanities and social sciences; faculty of postgraduate education The faculty of correspondence education.In the structure of these faculties there are 43 departments, including the military department.

The educational process uses 118 interactive kits, 1824 modern computers with Internet access. The library resources of the university are 1326567 copies. Textbooks and teaching materials - 61.4% of copies, scientific literature –12.7% of copies, fiction – 2.23% of copies; access to electronic information resources is provided.

The contingent of full-time and distance learning accredited SP students as of **November 01**, **2019** is:

- CPM (2-4 year), PBKM (1 year) - 30 students (of which 21 on the basis of the state educational grant, including 7 undergraduates), 27 students studying distance learning.

- TFP -12 students (of which, on the basis of the state educational grant, 10 people).

- LS - 120 students (41 of them, based on the state educational grant, including 3 undergraduates), distance learning –78 students.

In the period from April 19 to May 3, 2019 TarSU passed specialized accreditation for 17 educational undergraduate programs and 18 educational master's programs. By the decision of the Accreditation Council of IQAA dated 06/08/2019, M.Kh.Dulaty Taraz State University was issued certificates of specialized accreditation SA-A No. 0166 / 1-8, valid from June 10, 2019 to June 7, 2024.

November 10-15, 2014 M.Kh.Dulaty Taraz State University passed specialized accreditation for 22 undergraduate educational programs and 21 graduate educational programs. On December 6, 2014, the Accreditation Council of IQAA made a positive decision on the accreditation of 43 educational programs of TarSU for the period from December 6, 2014 - December 5, 2019. The issued certificates of accreditation SA No. 0035 / 1-6, SA No. 0038 / 1-4 indicate the status of the quality of university education.

In the period from April 13-16, 2015, 11 educational programs of the university passed specialized accreditation. According to the decision of the Accreditation Council of IQAA, certificates were issued in three languages (Russian, Kazakh, English) on the passage of specialized accreditation of educational programs. Accreditation certificates: SA No. 0057/1, SA No. 0057/2 of 04.25.2015, validity period of the certificate: from 04.25.2015. until 04.24.2020

On December 11, 2015, 4 educational programs of the university passed specialized accreditation. According to the decision of the Accreditation Council of IQAA, certificates were issued in three languages (Russian, Kazakh, English) on the passage of specialized accreditation of educational programs. Accreditation certificates: SA No. 0073/1, SA No. 0073/2, the validity of the certificate: December 6, 2014. until December 18, 2019. In 2019, the university passed a recertification audit for compliance with the requirements of the ISO9001: 2015 standard, received international certificates of the Russian Register Certification Association and IQNet.

In November 2018, M.Kh.Dulaty Taraz State University successfully passed international institutional re-accreditation at the Independent Agency for Accreditation and Rating (IAAR). By the decision of the Accreditation Council of December 20, 2018, M.Kh.Dulaty Taraz State Universitywas issued a certificate No. AA0123, confirming the status of an accredited university. Validity of the certificate from 12.20.2018 until 12/19/2023

Information about the department "Technology of food products, processing industries and biotechnology"

The department was founded in 1963. **To date, the department provides training for the following undergraduate and graduate programs:**

- 6B07215 - Technology of food products (bachelor);
- 7M07218- Technology of food products (master's program);

Currently, the faculty of the department is full-time - 15 teachers. Of these, they have academic degrees: professors - 2, candidates of sciences - 5, academic degrees of doctors PhD –1 and masters - 7. The degree of teaching staff is 46.7%.

The average graduation rate in the department over a 5-year period was 47%.

Bachelors are taught in the state and Russian languages. The term of study is 4 years. Terms of preparation of masters: scientific and pedagogical magistracy - 2 years, specialized magistracy - term of study 1 year.

Information about the department "Construction and production of materials"

Training of specialists in accredited specialties 6B07320 - "Production of concrete and ceramic materials" and 7M07313 - "Modern building materials" is held at M.Kh.Dulaty Taraz State Universityat the department "Construction and production of materials", which was founded in 1965.

Personnel training is carried out at two levels of the national education system: undergraduate - graduate.

Study program 6B07320- "Production of concrete and ceramic materials" in the direction 6B073- "Architecture and construction". Awarded degree: Bachelor of Engineering and Technology under the educational program 6B07320- "Production of concrete and ceramic materials". Trajectories: Production of concrete and ceramic materials; Technology of binders.

According to the National Classification of Occupations of the Republic of Kazakhstan 01-2017, the following group of professions was chosen for graduates of SP 6B07320 - "Production of concrete and ceramic materials": 2141-1-001 - Production engineer, 2141-1-005 - Technological engineer (general profile), 2141 -2-004 - Specialist on industrial and technical issues, 2141-4-004 - Quality Control Engineer, 2149-2-001 - Materials Science Engineer.

Educational program: 7M07313 - "Modern building materials" (specialized and scientific-pedagogical) in the direction 7M073- "Architecture and Construction". Awarded degree: Master of Technical Sciences in the educational program 7M07313- "Modern Building Materials".

According to the National Classification of Occupations of the Republic of Kazakhstan 01-2017, the following group of professions was selected for graduates of SP 7M07313 - "Modern Building Materials": 1233-0-002 - Chief Researcher, 1233-0-007 - Head of the Research Laboratory, 1233-0-008 - Head of the department (scientific and technical development), 1233-0-014 - Head of the research project, 1233-0-015 - Head of the research unit, 1233-0-016 - Head of the development project (new products), 1233-0 -017 - Technical Director (Research and Development) tkam), 1321-0-014 - Chief Technologist (manufacturing), 1321-0-026 - Head (Head) of the production laboratory (manufacturing), 1321-0-031 - Head of the complex (manufacturing), 1321-0- 037 - Head of production (manufacturing), 1321-0-047 - Head of the central factory laboratory (manufacturing), 1321-0-048 - Head of the workshop (manufacturing), 1321-0-052 - Team leader (manufacturing), 1321-0-053 - Technical Manager (Manufacturing nost.

Bachelors are taught in the state and Russian languages. The term of study is 4 years. Terms of preparation of masters: scientific and pedagogical magistracy - 2 years, specialized magistracy - term of study 1 year.

Information about the Department "Life Safety"

The Department of Life Safety was organized in 2005 and provides training for specialists in the following undergraduate and graduate programs:

- 6B11201 - "Life safety in the technosphere" (bachelor's degree);
- 7M11211 - "Life safety in the technosphere" (magistracy).

Department, well-known scientists, doctors and candidates of science, recognized in the republic and in the near abroad, work here. The department has 3 specialized laboratories: "Labor Protection", "Civil Defense", "Analysis of Water and Soil", which conduct laboratory and practical classes in special disciplines, where students acquire theoretical and practical skills in the field of occupational health, industrial safety, environmental safety , labor protection and fire safety. The department annually acquires measuring instruments, chemicals, personal protective equipment, audio and video equipment. There are also bench laboratory units for carrying out research work of bachelors and undergraduates.

The primary task of the Department of Life Safety is the training of highly professional specialists for work in enterprises and organizations involved in the development, implementation and operation of technological systems and networks that can prevent fire, environmental, chemical, radiation and other hazards.

The Department of Life Safety continues the long tradition of providing students with the necessary knowledge and skills that will help them succeed in all sectors of the economy, including the military-industrial complex, industry, agriculture and public utilities, government bodies in the field of life safety, environmental protection, protection in emergency situations.

Bachelors are taught in the state and Russian languages. The term of study is 4 years. Terms of preparation of masters: scientific and pedagogical magistracy - 2 years, specialized magistracy - term of study 1 year.

The contingent of students for each educational program in the context of forms and languages of instruction:

Currently, the contingent of students is:

- SP 6B07215 "Technology of food products": full-time education - 12 students, of which state order - 11, commercial. - 1, distance learning - 2, all on a commercial basis. (state language of instruction - 13, Russian language of instruction - 2);

- SP 6B07320- "Production of concrete and ceramic materials": full-time education - 7 students, including a grant - 4, commercial. - 3, distance learning - 1, commercial. (state language of instruction - 7, Russian language of instruction - 1);

- SP 7M07313 - "Modern building materials": full-time education - 2 students, including a grant - 2;

- SP 6B11201 "Life safety in the technosphere": full-time education - 39 students, of which a grant - 28, paid - 11, (state language of instruction - 24, Russian language of instruction - 15).

Qualitative and quantitative composition of teachers for each SP:

- Within the framework of SP 6B07215 "Food Technology": the teaching process is provided by 15 teachers, including 2 doctors of sciences; PhD -1, candidates of sciences - 5; Masters - 7. The percentage of faculty with academic degrees and ranks is 47%;

- In the framework of SP 7M07218 "Technology of food products (prof.)" The educational process is provided by 6 teachers, including 2 doctors; PhD -1, candidates of sciences - 3, faculty with academic degrees and ranks is 100%;

- In the framework of SP 6B07320- "Production of concrete and ceramic materials": the teaching process is provided by 16 teachers, including 5 doctors of sciences; PhD -2, candidates of sciences - 5; Masters - 4. The percentage of faculty with academic degrees and titles is 75%;

- In the framework of SP 7M07313 - "Modern building materials", the teaching process is provided by 8 teachers, including 3 doctors; Candidates of Science - 4; Doctors PhD - 1, Masters - 0. The teaching staff with academic degrees and titles is 100%;

- In the framework of SP 6B11201 "Life Safety in the Technosphere" the educational process is provided by 12 teachers, including 2 doctors of sciences; Candidates of sciences –4, PhD –2, masters –– 4. faculty with academic degrees and ranks is 58.8%;

- In the framework of SP 7M11211 "Life Safety in the Technosphere" the educational process is provided by 7 teachers, including 2 doctors of sciences; Candidates of Science - 4; PhD -2. The faculty with academic degrees and ranks is 100%.

Employment of graduates accredited by SP cluster:

The average employment rate for graduates of the last three years (2016-2018) is:

- for bachelors SP 6B07215 "Food Technology" 2016-2017-100%, 2017-2018-75%, 2018-2019 - 100%.

- for undergraduates SP 7M07218 "Technology of food products (prof.)" - 2018-2019 - 100%;

- for bachelors SP 6B07320- "Production of concrete and ceramic materials" - 100%;

- for undergraduates SP 7M07313 - "Modern building materials" - 100%;

- for bachelors SP 6B11201 "Life safety in the technosphere" - 84%;

- for undergraduates SP 7M11211 "Life Safety in the Technosphere" - 92%.

The number of unemployed includes graduates who continued their studies in postgraduate professional education programs (doctoral studies) and undergo military service in the ranks of the Armed Forces of the Republic of Kazakhstan.

Academic mobility for accredited cluster SPs for the period 2014-2019 is: 5B073000 “Production of building materials, products and structures”, three inbound and one outbound; 5B073100 "Life safety and environmental protection" - two.

Scientific research, contractual projects for departments in the context of accredited SP cluster:

Department "Construction and production of materials"

- Modern strategic research program for the critical state of matter, promising materials and energy sources (2014-2018), section of the project: “Modern technology of epitaxial magnetron sputtering for GaN thin films” (contract No. 313-20015 of December 10, 2015, **683200 tenge**, State Institution “National Laboratory Astana”, performer: Doctor of Technical Sciences, Professor A.A. Sagyndykov, Ph.D., Associate Professor A.T. Kirgizbaev, Department of Internal Affairs, Master student).

- Concrete quality assurance (contract No. 1311044 dated November 18, 2013, **4,000,000 tenge**, PetroKazakhstan Kumkol Resources JSC, faculty staff)

- Development of recommendations for the introduction of energy-saving technologies in the design, construction and reconstruction of structures in the southern region of the Republic of Kazakhstan”(contract of 2019 for the amount of **400,000 tenge**, performer PhD Moldamuratov Zh.N., undergraduates).

- Research work “Improvement of the method of calculating steel-concrete structures” (contract No. 3/2019 of September 30, 2019, **1,000,000 tenge**, performer PhD Moldamuratov Zh.N., undergraduates).

Department "Life Safety":

- “Development of a set of water management measures ensuring environmental and reclamation sustainability on irrigated lands of the Zhambyl region” - deadline is 2019-2020, responsible professor A. Zhumabekov

- “Development of technology and technical means for industrial wastewater treatment”, responsible professor A. Zhumabekov, completion date 2018-2019.

Department "Technology of food products, processing industries and biotechnology":

- “Kurgak coponter negizindeg ulttyk susynnyn tagamdyk kundylygyn zhne reciperasyn neg_zdeu zhne zhasau” (2018-2021 g.), Sections of the project: 1. Тақуryp boyynsha patenttik-aparatyty. “Zertteu Nysany Men idisterin tandau” (September 1, 2018 - June 30, 2019). 2. Experimental bөlim. “Kurgak coponter negizindeg ulttyk susynnyn tagamdyk kundylygyn zhne reciperasyn neg_zdeu zhne zhasau”, (01.09.2019-30.06.2020 g.) 3. Kurgak coponter negizindeg ulttyk susynnyn tagamdyk kundylygyn zhne reciperasyn neg_zdeu zhne zhasau. 20 .20 .20.

- “Research and mathematical modeling of the process of complex cleaning of grain and oilseeds from impurities” (September 1, 2018–30 June 20, 2021).

Commercialization by accredited SP cluster is carried out on the basis of the activities of the research laboratory “Nano-engineering research methods named after A.S. Akhmetova". The total amount of work performed over 5 years on the accredited cluster SP amounted to more than **6 million tenge** with the participation of teaching staff and students of accredited departments. Completed projects: “Development of technology for functional bread, bakery and flour confectionery products based on natural fortifiers”, “Development of baby food based on mare’s milk”, “Improvement of the technological process for the production of national plant foods with high nutritional value”,

"Development of progressive geotechnical structures and their manufacturing technologies for construction ", etc.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Study programs 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Safety of life in the technosphere", 7M11211 "Safety of life in the technosphere» are accredited to the IAAR for the first time.

(V) DESCRIPTION OF EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the commission of experts on specialized accreditation of educational programs at the M.Kh.Dulaty Taraz State University from November 28 to 30, 2019.

In order to coordinate the work of the EEC, an installation meeting was held on November 27, 2019, during which the powers were distributed among the members of the commission, the schedule of the visit was clarified, agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. In total, 200 representatives took part in the meetings (table 1).

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

Category of participants	**Number**
Rector	1
Vice-rector	5
Heads of structural divisions	30
Faculty deans	6
Head of departments	13
Teachers	32
Students	69
Graduates	26
Employers	18
Total	**200**

During the tour, members of the EEC familiarized themselves with the state of the material and technical base, visited the deans of the Faculty of Technology and the Faculty of Water Management, Ecology and Construction, and the audience:

- Department of Computer-aided Communication - audiences No. 6.2.129 Laboratory "Building Materials", No. 6.2.307 "Geotechnics", No. 6.2.220 "Virtual Laboratory of Building Materials", No. 6.2.213 "CAD", No. 6.2.319 "Building Structures" , No. 6.2.316 "Reinforced concrete structures", No. 6.2.314 "Graduate design", No. 1.3.102 laboratory "Nanoengineering research methods", No. 6.2.127 "Center for chemical technologies".

- Department of LS - audience № 6.2 121 “Lecture room”, No. 6.2 105 “Consultation of undergraduates”, No. 6.2 201 of the laboratory “Safety in the technosphere”, No. 6.2 109 “Civil defense”.

- Department of TFPPIB - audiences No. 2.3.311 "Technological processes and equipment", No. 2.3.314 "Technology of milk and dairy products", No. 2.3.215 "Catering and food technology", laboratory "Nanoengineering research methods", "Training Green Skills Center for Food Production ”.

At the meeting of the EEC of the IAAR with the target groups of TarSU, the mechanisms for implementing the policy of the university were refined and the specifics presented in the self-assessment report of the university were specified.

For the accreditation period, scheduled classes according to table 2 were attended.

Table 2. Attendance by EEC Experts

№ room, corpus	Discipline, type of activity group, number of students	Teacher, degree, position	Teaching method
6.2.129	Decoration Materials, Laboratory CPM, 2 year, 10 students	Masters, senior teacher Karabayev N.T.	Classical
6.2.129	Agash and agash materiallar, Laboratory, CPM, 2 course 10 students	PhD, associate professor Eskermessov J.E.	Classical
6.2 201	Rational use of natural resources, Practical LS, 4th year, 18 students	D.a.s., professor Djumabekov A.A.	Classical
6.2 121	Industrial sanitation Lecture, LS, 2nd year, 10 students	C.t.s., Dildabek D.S.	Classical
6.2 109	Disaster medicine, Lecture, LS, 3rd year, 4 students	C.t.s., associate professor Bimurzaeva Z.E	Classical
6.2 101	Potentially dangerous production technologies, Practical, LS, 4th year, 1 student	Master, teacher Zhandarbek M.S.	The student was absent due to illness. The EEC Commission was provided with a certificate from a medical institution.
2.3.217	Azyk Tulik onimderinin tauartanuy, Lecture The chamber of Commerce, 3rd year, 5 students	*Master, Senior Lecturer Ergalieva S.M.*	Classical
2.3.306	Tamak onimderinin technologiesinin teoriyalyk negizderi 2, Practical, chamber of Commerce, 3rd year, 5 students	*Master, teacher Kenzhebekova L.*	Classical

During their work, members of the EEC visited the following practice bases:

SP	Company	Contract No.
6B07215 "Technology of food products"	Bersanukaev I. LLP	*Mutual cooperation agreement September 30, 2019 until 05/23/2022, The validity period is 3 years.*
7M07218 "Technology of food products" (prof.)	Bersanukaev I. LLP	*Mutual cooperation agreement September 30, 2019 until 05/23/2022, The validity period is 3 years.*

6B07320 "Production of concrete and ceramic materials"	LLP "Laboratory of road-building and fuels and lubricants" (branch of the department), PROTOS-KZ LLP (practice base)	# 38 dated April 11, 2019
7M07313 "Modern building materials",		# 133 of 05/20/2019 (from 2019 to 2023)
6B11201 "Life safety in the technosphere"	Republican State Institution "Department of Ecology in the Zhambyl Region of the Committee for Environmental Regulation and Control of the Ministry of Energy of the Republic of Kazakhstan"	# 171 of 04/29/2019 to 04/29/2021
7M11211 "Life safety in the technosphere"		

In accordance with the accreditation procedure, 127 teachers, 198 students, including junior and senior students, were surveyed.

In order to confirm the information presented in the Self-Assessment Report by external experts, the university's working documentation was requested and analyzed. Along with this, experts studied the university's online positioning through the university's official website http://www.tarsu.kz.

Within the framework of the planned program, recommendations for improving the accredited educational programs of TarSU developed by the EEC based on the results of the examination were presented at a meeting with the management on November 30, 2019.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Management of the educational program"

✓ *The university must have a published quality assurance policy.*
✓ *Quality assurance policies should reflect the link between research, teaching and learning.*
✓ *The university should demonstrate the development of a culture of quality assurance, including in the context of the SP.*
✓ *A commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility.*
✓ *SP management ensures transparency in the development of the SP development plan based on an analysis of its functioning, the actual positioning of the university and its focus on meeting the needs of the state, employers, interested parties and students.*
✓ *SP management demonstrates the functioning of the mechanisms for forming and regularly reviewing the SP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the SP.*
✓ *SP management should involve representatives of stakeholder groups, including employers, students and faculty members, in the formation of the SP development plan.*
✓ *SP management must demonstrate the individuality and uniqueness of the SP development plan, its consistency with national development priorities and the educational organization development strategy.*
✓ *The university should demonstrate a clear definition of those responsible for business processes within the framework of the SP, an unambiguous distribution of the duties of the staff, and the delineation of the functions of collegial bodies.*
✓ *SP management must provide evidence of the transparency of the educational program management system.*
✓ *SP management must demonstrate the successful functioning of the internal quality assurance system of the SP, including its design, management and monitoring, their improvement, and decision-making based on facts.*
✓ *SP management must manage risk.*
✓ *SP management should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies of the educational program management, as well as their representativeness in making decisions on educational program management.*
✓ *The university should demonstrate innovation management in the framework of the SP, including the analysis and implementation of innovative proposals.*
✓ *SP management must demonstrate evidence of openness and accessibility for students, faculty, employers and other interested parties.*
✓ *SP management must be trained in education management programs.*
✓ *SP management should strive to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.*

Evidence part

The university has a published quality assurance policy (approved on 09/10/2019). The quality assurance policy of M.Kh.Dulaty Taraz State University (http://www.tarsu.kz/en/otdel-monitoringa/politika-v-oblasti-kachestva.html) is determined by the university's mission and vision, and the strategic development plan of TarSU for 2016-2019 (approved on June 17, 2016) and the Development Program of the M.Kh.Dulaty Taraz State University for 2019-2022. (the goals and objectives of TarSU are aimed at preparing competitive, innovative-minded and patriotically educated specialists who meet domestic and international criteria, as well as in creating an elite scientific, intellectual, informational and cultural environment in the region, country and the world.

TarSU policy in the field of quality reflects the relationship between research, teaching and learning and is focused on ensuring the innovative level of the educational process., Taking leading positions in the training of specialists for the main sectors of the economy and social sphere of the region and the country, improving the quality of scientific research, its effectiveness and recognition , ensuring technology transfer and the proper level of commercialization of research, the formation of an active creative environment in the team for a full and harmonious scientist-border development of the personality, the teacher and the future specialist.

Educational programs 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Safety of life in the technosphere", 7M11211 "Safety of life in the technosphere »Are implemented in accordance with the adopted university development strategy focused on the consumer of educational services, as well as with the plan for the development of educational programs for 2019-2023. in the areas of preparation 6B073 / 7M073 - "Architecture and

Construction", 6B072 / 7M072 - Production and manufacturing industries, 6B112 / 7M112 - Hygiene and labor protection at work.

The culture of ensuring the quality of the educational program is ensured through the implementation of the strategic directions of the development plan of the educational program, namely: ensuring the organization and content of the educational process, introducing innovations and scientific achievements into production and other areas of public life, developing academic relations with partners for implementing joint innovative programs, ensuring sustainable financial -economic development, the education of a multicultural harmoniously-developed personality of the student, the creation of conditions for the formation of a profession full competence and competitiveness of future specialists.

All types of university activities are carried out independently without using outsourcing services, transferring them to partners and contractors. The direct management of the university is carried out by the rector in accordance with the legislation of the Republic of Kazakhstan.

Management and development of educational activities of the university are implemented through the activities of faculties and departments. The department is the main educational and scientific unit of the university. The main goal of the department is to prepare students for one or more educational programs.

The collegial management bodies of the faculties are the Councils of the faculties and the Methodological bureaus of the faculties.

The internal quality assurance system of the academic program at the department level is provided in accordance with the established schedule, according to which control over all types of activities is carried out with discussion at weekly operational meetings. At the end of the 1st and 2nd semesters, an analysis of the activities of the teaching staff for the semester is carried out with discussion at the meetings of the departments and decision-making. If necessary, corrective actions are taken.

Monitoring the status of issues under consideration is carried out by competent commissions created by the order of the university, faculties. The implementation of decisions made is monitored by the commission and discussed at meetings of the Academic Council of the University and the Councils of faculties. If inconsistencies are identified, corrective actions involve changes to the training documentation.

The annual adjustment of documentation, its updating, unification are carried out with the aim of creating optimal study groups and lecture flows at faculties. The need to adjust existing disciplines in the specialties at the suggestion of employers, the abolition of lost their relevance or the introduction of new elective disciplines are discussed at meetings of departments and meetings of the faculty's methodological council (examples of changes to the MOS are given in the standard "Development and approval of the educational program").

The management of accredited SPs ensures the participation of representatives of interested parties in the work of working groups with the involvement of external experts from enterprises and organizations - strategic partners in order to monitor all processes at the level of departments, the faculty as a whole (order o creation of working groups No. 199 of 05/14/2019).

Based on the results of interviews with teaching staff, students, employers and graduates, it can be concluded that the management of accredited SPs is open and accessible. On the university website there are all the contact details of the manual (personal email addresses, contact numbers, addresses).

Analytical part

At the time of accreditation for SP 6B07215 “Food Technology”, 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials”, 6B11201 “Life safety in the technosphere”, 7M11211 “Life safety in the technosphere”, Development Plans were presented. According to the SP, the functioning of the mechanism for the formation and regular review of development plans is traced. Only university staff participated in the formation of development plans for accredited SPs, faculty development plans, and the university development program.

According to SP 7M07218 "Food Technology" (prof.), The functioning of the mechanism for the formation and regular review of development plans is not possible, since the Development Plan was not presented. Accordingly, it is not possible to see the transparency of the development plan for the SP.

Also, for all accredited cluster SPs, the involvement of interested parties in the working groups of developers is not traced. External expertise on the development plans of the SP is not presented.

The presented development plans for accredited SPs reflect the consistency with the national development priorities and the university development program, however, the individuality and uniqueness of the SP development plans are not traced, since the SP development plans in force at the time of accreditation were formed for a group of educational programs in areas of preparation, and not for each in particular . Also, it should be noted that the development plans of accredited SP 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials” are not divided by level of training.

All officials responsible for the development of accredited SPs, development programs and work plans use the scenario approach, use SWOT analysis to identify risks and assess their impact on the results. The list of identified, including high risks, is given in the work instruction RI 15 / 1.01-2017 “Risk management”. At the tactical level of planning, risks are assessed by the heads of departments, when drawing up the annual plan of the faculty. Risks and opportunities are monitored at meetings of the Academic Councils of the University, faculties, administration, Councils on areas of activity during the year, the results are recorded in the minutes. The evaluation of the effectiveness of the actions taken is reflected in the annual report of the faculties. Risk management for educational programs are included in the annual work plans of the faculty (2018-2019, 2019-2020 academic year) and are discussed at meetings of the department. *However, the development plans for accredited SPs do not include risks*.

When developing the accredited SP 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials”, the research modules focused on innovative proposals for the development of the region in the field of building materials were included in the SP. However, according to SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere" *innovation management within the SP is not traced.*

Head of the Department "Construction and Production of Materials" Usenbaev B.U. passed a 72-hour advanced training program under the program "Modern educational technologies and their use in the educational process (2018) at Tomsk State University. Guidelines OP 6B07215 “Food Technology”, 7M07218 “Food Technology” (prof.), 6B11201 “Life Safety in the Technosphere”, 7M11211 “Life Safety in the Technosphere” *did not provide further training information on management programs in education.*

In 2014, educational programs accredited by SPs successfully passed specialized accreditation at IQAA, thereby confirming the compliance of educational programs with European quality standards in education. However, the Self-Report does not describe the

progress achieved in implementing the recommendations received during the previous accreditation procedure.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. To draw up and monitor the implementation of SP development plans, also involve students, representatives of the public and the business community, reflecting proposals, results of discussions in the protocols of departments, the Academic Council, etc. Ensure the preparation of external reviews of development plans for the SP. Revise the plans for the development of SP, taking into account the levels of training and the specifics of SP.

2. In accordance with the Development Program of M.Kh.Dulaty Taraz State University for 2019-2022 in the development plans for accredited SPs, include a section describing possible risks in the implementation of accredited SPs, indicating the names of risks, possible consequences in case of non-adoption and (or) timely response measures, as well as a description of risk management mechanisms and measures.

3. The management of the SP in the self-assessment documents should reflect the description of the progress achieved in implementing the recommendations received as a result of the previous accreditation procedure.

Additional recommendations for SP:

- 6B07215 "Technology of food products", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere":

4. Provide training for the management of SP 6B07215 / 7M07218 “Technology of food products” (profile). 6B11201 / 7M11211 "Life safety in the technosphere" according to management programs in education.

5. When developing educational programs 6B07215 / 7M07218 "Technology of food products" (profile), 6B11201 / 7M11211 "Life safety in the technosphere", as well as their implementation, take into account and include in the content of the modules the results of scientific and innovative activities of teaching staff of the departments.

- 7M07218 "Technology of food products" (prof.):

6. To the management of SP 7M07218 “Food Technology” (profile) to develop a Development Plan with the participation of all interested parties in accordance with the university’s development program and posting the development plan in the public domain on the university’s website, to ensure annual monitoring of the implementation of the SP with a description of the achievement of goals and their assessment in the reports and protocols of the department.

EEC findings:

According to the standard "Management of the educational program" 17 criteria are disclosed, of which according to the SP:

- 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials” 14 have a satisfactory position and 3 - suggest improvements;

- 6B07215 “Food Technology”, 6B11201 “Life Safety in the Technosphere”, 7M11211 “Life Safety in the Technosphere” have 12 satisfactory positions and 5 suggest improvements;

- 7M07218 "Technology of food products" (profile) have 10 satisfactory position and 7 - suggest improvement.

6.2. Standard "Information Management and Reporting"

✓ *The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.*

✓ *SP management must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.*

✓ *Within the framework of the SP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, scientific research.*

✓ *The university should establish the frequency, forms and methods of evaluating the management of SP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.*

✓ *The university must demonstrate the definition of the order and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data.*

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

✓ *SP management must demonstrate the existence of a mechanism for communication with students, employees and other interested parties, including the existence of conflict resolution mechanisms.*

✓ *The university should provide a measure of the degree of satisfaction of the needs of faculty, staff and students in the framework of the SP and demonstrate evidence of elimination of discovered deficiencies.*

✓ *The university should evaluate the effectiveness and efficiency of activities, including in the context of SP.*

✓ *Information collected and analyzed by the university in the framework of the SP should take into account:*

- *key performance indicators;*
- *the dynamics of the contingent of students in the context of forms and types;*
- *academic performance, student achievement, and expulsion;*
- *students' satisfaction with the implementation of the academic program and the quality of education at the university;*
- *the availability of educational resources and support systems for students;*
- *employment and career growth of graduates.*

✓ *Students, employees and faculty must document their consent to the processing of personal data.*

✓ *SP management should facilitate the provision of all necessary information in relevant fields of science.*

Evidence part

To automate the process of collecting, analyzing and managing information at M.Kh.Dulaty Taraz State University implemented and operates systems for collecting, analyzing and managing information based on the use of modern information communication technologies and software: information management within the official website of the university, a folder for exchanging information between structural units "Public $", academic information management within the AIS "Platonus" ", A computer program for managing the educational process with a credit training system of its own design" Sirius ", an integrated library information system a, "1-C Enterprise" and "1-C Personnel Accounting" programs.

The university defines the responsible persons for the functioning of information systems, software resources, the accuracy of the information used: the press secretary of the University's Media Service (official website of the university); to the director of the center of new information technologies (CNIT) and the director of the DUMR (AIS "Platonus"); to the director of the registrar's office (AIS "Sirius"). The functioning of information systems for the collection, analysis and management of information are regulated by the following regulatory documents of the university: Regulation on the educational department; order on the creation of the resource group No. 109 of 11/27/2015; order on conducting questionnaires among students on the basis of AIS Platonus No. 28 of 04/14/2018

The collection, analysis and management of academic information has been carried out by AIS Platonus. Since 2015, the work of the selection committee with applicants has been fully transferred to AIS Platonus. The order templates were formed, by order of the selection committee: "Bұyrykan kəirme (Extract from the order)", "Kesim (act) kyndizgi bəlim_Act of transfer and acceptance", "Kesim (act) syrtay bəlim_Act of transfer and acceptance", "Draft of the order". In 2016, the "Diploma" module was introduced, through which the printing of state-issued diplomas and diploma supplements (transcript) is carried out. Starting from the same year, students are questioned on the questionnaire

“Teacher through the eyes of students”, and an automated report is generated based on the results of the survey, formed by departments, disciplines, and teachers. Assessment of students' knowledge is recorded in electronic journals in the PLATONUS system (http://platonus.tarsu.kz).

On the site you can get information about the SP: scientific activity, international cooperation, information about the teaching staff, the Development Plan of the OR, QED, MOS, etc.

The management of educational programs collects and analyzes data obtained as a result of a survey and questionnaire to assess the system of ensuring the quality of education by indicators:

- level of student achievement;
- satisfaction of students with the quality of implemented educational programs;
- educational resources and effects

Access to information in AIS “Platonus” and “Sirius” is carried out only for an authorized user and is delimited depending on the needs of users and the functional responsibilities of the maintenance staff. The folder for the exchange of information between structural units "Public $" is publicly available for all employees and teachers of the university. The results of the analysis are reflected in the certificates, reports of the structural units of the university and are provided to responsible persons for making decisions on improving the process. For example, the analysis of the results of the session is carried out by comparing with the strategic indicators indicated in the university’s strategy and the university’s development program. Based on the analysis of the session at the University Academic Council, specific decisions are made, action plans are developed to eliminate deficiencies, improve academic performance, attendance, namely, orders are issued for expelling students, orders for organizing summer paid semesters, orders for assigning discounts to gifted students, and assigning vacant grants to students-contractors on a competitive basis).

Students, employees and faculty confirm their consent to the processing of personal data in accordance with the Law of the Republic of Kazakhstan “On Personal Data and their Protection” (May 94, 2013 No. 94-V).

Conflict detection mechanisms are statements by faculty, staff and students, memos, personal appeal to the head. Based on the results of interviews with students and faculty members of Cluster 2, members of the EEC found that there were no conflicts over the past 5 years. The university’s internal portal is an entry point to such systems as the Electronic Library, Schedule, Rating, Web-questioning, Web-testing, Anti-plagiarism, Telephone directory and a page for congratulating employees on their birthday. The portal contains announcements, legal documents, plans and reports of the university

On the analysis of compliance with the criteria of the standard "Information Management and Reporting" for accredited SPs, the commission notes the following: the university has an information and reporting management system. Data is stored in electronic and paper format in accordance with the nomenclature of cases. Databases available at the university allow you to generate a variety of analytical reports.

In order to provide students, faculty and researchers with all the necessary information in the relevant fields of science, open access to world resources of scientific publications of both foreign and national companies is provided. Among them are Google Scholar, Springer Open, EDP Open, eLIBRARY.RU, Scopus, Web of Science, the Republican Interuniversity Digital Library, Test access platforms have IDEAS, OAIster and others. IDEAS, OAIster, Open Research Online.

According to the results of the survey, 28.3% answered “yes” to the question about assessing the involvement of teaching staff in the process of making managerial and strategic decisions, “good” - 63.8%, and “unsatisfactory answers” - 7.9%.

Analytical part

The university conducts a survey of various categories of students, undergraduates, graduates, parents, employers on the quality of educational services provided. For example, in order to determine the rating among the faculty of the department responsible for the implementation of the SP and monitoring their quantitative and qualitative characteristics among students, a survey is conducted. Based on the results of the questionnaire, an individual profile of teachers is built, the rating of faculty, department, faculty is calculated. The questionnaire data are used by the departments in the certification of teachers, during the competition for filling the vacant position, to participate in Republican competitions. Also, in order to improve the educational process, questionnaires are conducted on the organization of the examination session at the university. Questioning is carried out during the examination session and for students by distance learning according to the approved schedule. A survey of senior management and employees of the university is conducted to evaluate and qualify the work of the university and its employees as an indicator of the assessment of the overall quality management system.

However, the university has not demonstrated the existence of mechanisms for measuring the degree of satisfaction of the needs of faculty and students in the framework of the SP. Also, the analysis, corrective action plans and reports on the implementation of actions based on the results of questionnaires were not presented.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. The supervising structural unit of the university with the leadership of the SP systematically conduct an analysis of the results of the survey with the development of a plan of corrective actions in the context of the SP and ensuring control over their implementation, as well as taking into account factors of the external and internal environment, carry out corrective and preventive actions aimed at continuous improvement of the SP.

EEC findings:

According to the standard "Information Management and Reporting" 17 criteria are disclosed, of which 16 have a satisfactory position and 1 requires improvement.

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

✓ *The university should determine and document the procedures for the development of SPs and their approval at the institutional level.*

✓ *SP management must ensure that developed SPs are consistent with established goals, including intended learning outcomes.*

✓ *SP management should ensure the availability of developed models of the graduate of the SP that describe the learning outcomes and personal qualities.*

✓ *SP management must demonstrate the conduct of external expert reviews.*

✓ *The qualification obtained upon completion of the SP must be clearly defined, clarified and consistent with a certain level of the NSC.*

✓ *SP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.*

✓ *An important factor is the ability to prepare students for professional certification.*

✓ *SP management must provide evidence of the participation of students, faculty and other stakeholders in the development of SP, ensuring their quality.*

✓ *The complexity of the SP should be clearly defined in Kazakhstan loans and ECTS.*

✓ *SP management must ensure the content of academic disciplines and learning outcomes for the level of training (bachelor's, master's, doctoral).*

✓ *The structure of the SP should provide for various activities that are consistent with the learning outcomes.*

✓ *An important factor is the presence of joint SPs with foreign educational organizations.*

Evidence part

The development and approval of accredited educational programs at the University is carried out in accordance with the provisions of normative legal acts in the field of higher and postgraduate education, the Regulation on the design of modular educational programs of February 14, 2018, the Regulation on the design of educational programs based on the formation of students' competencies, and the Work Instruction "Development of modulated work curricula"

The qualification obtained upon completion of the accredited SP is determined by the WC of specialties and SES undergraduate.

Enterprises of the region are involved in the development of accredited educational programs. At field meetings with the participation of faculty of the department - coordinators of joint work with a specific enterprise, a discussion of the content of educational programs is conducted, based on which specific recommendations are developed, which will be taken into account in the future when compiling the Catalog of elective disciplines.

Students participate in the development of the content of educational programs through participation in the work of the Faculty Council, the composition of which is annually approved by the Rector's Order and whose work plans include consideration and approval of accredited SPs. Examples of stakeholder participation over the last period are shown in table 3.

Table 3 - Data on the participation of stakeholders in the development of SP

Academic year	Students , Name, group	Employers, Name, position, company name
6B07215 "Technology of food products", 7M07218 "Technology of food products"		
2019-2020	*Kanash A.* *5B16-TPP-1.3* *Back to profile* *5B17-TPP-1.3*	*Barsanukayev I. - Director TOO «Bersanukayev I.»*
	Oraz A. undergraduate 2 courses *Abdyrazakkyzy K. 2nd year undergraduate*	
6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials"		
2019-2020	Maushet W. V16PSMK-1 Rakhmankulov A. V16PSMK-1 Altynbekova A. Graduate student special. CPM	Rakhimberdiev M.S. Director of Agrospetsstroy LLP, Mombekov I.A. LLP Director Taraz Arkon
6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere"		
2019-2020	Myrzambetova A. Magistrant c. 6M 18LS-1,3 Kirgizbaeva A.S. Master student gr. 6M 18LS-1,3 Eleuken A. student gr. V17VLS-1.3	Pasichny Yu.V. - Acting Head of the Department of Ecology, Zhambyl Region Қosybaev MA, Deputy Head of the Department for Emergency Situations,

	Kansate E. student gr. B17LS-1,3	Rescue Service of the Ministry of Emergencies of the Republic of Kazakhstan. Garifova MG, chief specialist of the personnel policy department, captain of civil protection. Alimzhanov A., director of the branch of RSE "Kazhydromet" Nazarbekov J.K. agronomist scientist

The main change between SP 5B073000 / 5M073000 - "Production of building products and structures" and the new SP 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" is the orientation of the content of the modules in the new SP to current problems in the region, for example, the disposal of industrial waste industrial enterprises, by including them in the manufacture of building materials, the manufacture of building materials based on local raw materials, etc.

The relevance of updating the content of new SPs is the presence in the region of a sufficient number of enterprises suitable for attracting graduates of these programs for employment. These are 4 brick factories, Zhambyl Production Cement Company LLP, a branch of Kazphosphate LLP, Zhambylgips JSC, Gypsum Plant LLP, Keramik-Invest LLP, Urylys-Polymer LLP, etc.

The difference in the content of accredited SP 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere" and SP according to the old classifier 5B073100 / 6M073100 "Life safety and environmental protection" reflects the orientation of the activities of graduates of new SPs to industrial enterprises in the region, such as SEZ JSC HimPark Taraz, AS Taraz Metallurgical Plant LLP, Branch of Kazphosphate LLP, Branch of EuroChem-Karatau LLP, TF Kazfosfat LLP - Mineral Fertilizers, Kazakh Scientific LLP Water Research Institute "; branch of the state institution "Kazselzashchita" CoES Ministry of Internal Affairs of the Republic of Kazakhstan "; Branch of RSE "Kazhydromet" in Zhambyl region; Department of Emergency Situations of Zhambyl Oblast CoES of the Ministry of Internal Affairs of the Republic of Kazakhstan; fire extinguishing and emergency rescue services of emergency situations in ZhO, etc.

As a result of the participation of interested parties in the development of SP 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" according to the new classifier, proposals were introduced to include the following changes in the curriculum, according to the SYLLABUS for students admitting 2019 on SP 6B07320 - "Production concrete and ceramic materials "in the direction 6B073-" Architecture and Construction "there is a tendency to increase loans for the study of the following modules of the cycle of basic and majors:

- Module M4 "Modern Technologies" with a total volume of 8 credits - includes the following elective disciplines: "Energy-saving technologies for concrete and reinforced concrete", "Heat-efficient building materials and products", "Application of local raw materials and industrial wastes in the technology of building materials" and "Application ashes and fuel slag in the production of building materials. "

- Module M6 "Processes and Apparatuses" - the disciplines "Modern Equipment for Concrete and Ceramics Production Facilities" and "Technological Lines for the Production of Building Materials and Products" were introduced in the amount of 3 credits.

Module M8 "Building materials" - the elective disciplines "Quality control of building materials" and "Control of the technology for preparing building materials" were introduced in the amount of 4 credits.

In connection with the unification of related disciplines, the following disciplines were formed: “Multiphase gypsum binders” - 5 credits, “Magnesia calcareous binders” - 3 credits, “Unconventional raw materials and industrial wastes in ceramics” - 3 credits, “High-porous ceramic materials” - 4 credits.

Thus, in SP 6B07320 - “Production of concrete and ceramic materials” there is an increase in the total number of credits in basic and core disciplines compared with 5B073000 - “Production of building materials, products and structures” for student enrollment in 2017 by about 30%.

The following modules are included in SP 7M07313 "Modern building materials" (scientific and pedagogical direction):

- Module 3 “Modern finishing materials”.
- Module 2 “Materials based on organic binders”.

In SP 7M07313 "Modern building materials" (profile direction) modules are included ":

- Module “Finishing materials” and Update of Module 3 with the inclusion of disciplines - “New technologies of cementing materials”, “Modified concrete”.

In SP 6B11201 “Life Safety in the Technosphere”, modules were changed and new disciplines were included:

- Module 7 Organization of the quality of work in the field of environmental protection - disciplines “Environmental Protection in the Technosphere”, “Harmful Substances in Industry”, “Technogenic Pollutants and Emissions”.
- Module 6 Monitoring of the functioning of the HSE system and the OS-discipline "Environmental control", "Environmental assessment at enterprises", "Hazardous production technologies."
- Module 5 Ensuring the safety of occupational health and safety - discipline "Industrial sanitation and occupational health", "Modern industrial ventilation."
- Module 4 Organization of technological processes - discipline "Reliability of control systems".
- Module 3 Environmental monitoring - disciplines “Norms and standards in the field of technosphere safety”, “Disaster medicine in emergency situations”, “Protection of natural resources”.

The modules are included in SP 7M11211 "Life Safety in the Technosphere":

- M6 Scientific organization and innovation - Forecasting the consequences of emergencies of a natural and man-made nature.
- M5 Protection, management and reliability - Fundamentals of environmental engineering; The management system of the Belarusian Railways and environmental protection; Reliability of technical systems in the industry.
- M4 Toxicology, current problems and medical care - Actual problems in the field of Belarusian Railways and AIA.
- M3 Radiation, industrial and environmental safety; - Ensuring radiation safety; Industrial safety and reliability assessment of technical systems; Environmental management of safe processes and production.
- M2 Technology and Civil Defense in emergency situations - Technology for restoration of disturbed geo-ecological systems.

In SP 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.) The following changes were made:

- M8 “Introduction to the specialty” - the discipline “Introduction to the technology of food products” of 3 credits has been introduced.
- M5 “Processes and equipment” - the discipline “Transporting machines for food and processing industries” was introduced in the amount of 5 credits

- M4 “Green skills” in food production ”- the disciplines“ Formation of “Green skills” in the food and processing industry ”with a volume of 5 credits and“ Technology of fish and fish products ”with a volume of 3 credits were introduced.

- M2 “Catering” - introduced disciplines “Technology of non-alcoholic drinks” with a volume of 5 credits, “Packaging of food products” with a volume of 4 credits.

All changes in the SP are reflected in the minutes of the departments meeting in January 2019.

In addition to participating in the development of accredited SPs, stakeholders actively contribute to the implementation of educational programs. For example, the creation of branches of departments at enterprises, the organization and conduct of professional practices contribute to the organization of practical orientation of students, the development of practical skills (examples of creating branches of departments and the existence of agreements on the creation of practice bases are given in the standard "Educational resources and student support systems"). Joint development and publication of textbooks and teaching aids, joint participation in scientific conferences. For example, table 8 shows the total number of own developments of teaching staff of departments in conjunction with employers of accredited SP students. In addition, reprints of articles presented by the EEC commissions at departments confirm the presence of co-authorship of managers and consultants from partner enterprises).

Representatives of enterprises, organizations and other structures are involved in the examination of curricula and the development of a catalog of elective disciplines.

So for the reporting period, peer review on SP 6B07320 - “Production of concrete and ceramic materials”, 7M07313 - “Modern building materials” were received: from the director of SCF KazNIISA Baitemirov M.N., director of Kingdom-Project LLP Abdraliev N.E., Director of Otdelstroy LLP Ibragimov E.R., Deputy Director of Agrospetsstroy LLP Serikbaev N.Zh., Director of AsiaTourProject LLP Turlybaeva B.

Peer review of SP 7M07218 / 6B07215 - “Food Technology” is carried out by employers and interested parties: Burnenskaya Molochnaya Kompaniya LLP, GSS and M LLP, ZhambylStandart LLP, Zhambyl Veterinary Research Station, ZAN LLP, Land Administration relations of akimat of Zhambyl region and other interested parties.

Peer review of SP 6B11201 / 7M11211 - Life safety in the technosphere was carried out: from the director of the Kazakh Scientific Research Institute of Water Management LLP; branch of the state institution "Kazselzashchita" CoES Ministry of Internal Affairs of the Republic of Kazakhstan "; Branch of RSE “Kazhydromet” in Zhambyl region; Department of Emergency Situations of Zhambyl Oblast CoES of the Ministry of Internal Affairs of the Republic of Kazakhstan; Firefighting and emergency rescue services of emergency situations department in ZhO; Director of TarazStroyDrev LLP; Republican state institution "Department of Ecology in the Zhambyl region of the Committee for Environmental Regulation and Control of the Ministry of Energy of the Republic of Kazakhstan" and other interested parties.

The list and the complexity of compulsory disciplines, their distribution in cycles correspond to TUP. Academic credit in the framework of ECTS is a unit of measurement of the complexity of studying the discipline, both in classroom studies and during independent work. 1 ECTS credit equals 30 academic hours. ECTS estimates the total complexity of the academic work of one academic year at 60 credits (a student collects 30 credits per semester). The duration of the academic year is 30 weeks and 6 weeks are spent on exams (final control).

Recalculation of loans of the Republic of Kazakhstan to ECTS loans and vice versa is carried out on the basis of conversion factors approved by the Ministry of Education and Science of the Republic of Kazakhstan.

Correspondence of the content of compulsory disciplines to the undergraduate level and the proposed learning outcomes is ensured through the content of standard curricula approved by the Ministry of Education and Science of the Republic of Kazakhstan. Most elective courses are educational material that supplements compulsory disciplines and helps to ensure the multidisciplinary nature of education in several related specialties. Elective courses offered for study are presented in the form of certain natural trajectories with an indication of previous disciplines, prerequisites, the possession of the tools of which is necessary for understanding the following, as well as indicating postrequisites.

The logical sequence and continuity of knowledge within:

- SP 6B07320 "Production of concrete and ceramic materials" - 7M07313 "Modern building materials" is confirmed by the distribution of disciplines in courses and levels of training. For example, there is a transition from the discipline “Concrete Technology” in the bachelor's degree program to the “New types of concrete” module of the Master's program, from the discipline “Building Ceramics technology” to the bachelor degree program to the “Modern Ceramic Materials” module of the master's program.

- 6B07320 “Production of concrete and ceramic materials” - 7M07313 “Modern building materials” is confirmed by the distribution of disciplines in courses and levels of training. For example, there is a shift from the “Concrete Technology” discipline in the Bachelor's degree program to the “New types of concrete” module of the MA graduate program, from the “Ceramics Technology” discipline in the Bachelor's degree program to the “Modern Ceramic Materials” module of the MA program.

- 6B07215 "Technology of food products" - 7M07218 "Technology of food products" (prof.) Is confirmed by the distribution of disciplines in courses and levels of training. For example, there is a transition from the discipline “Technology of meat and meat products” in the undergraduate program to the module “Scientific fundamentals of food production” in the magistracy program, from the discipline “Raw materials and food products” in the bachelor program in the module “Range and quality indicators of food products” in the magistracy program .

- 6B11201 "Life safety in the technosphere" - 7M11211 "Life safety in the technosphere" is confirmed by the distribution of disciplines in courses and levels of training. For example, there is a transition from the discipline "Technogenic pollutants and emissions", "Norms and standards in the field of safety of the technosphere", "Environmental control", "Protection of natural resources", "Tactics of emergency work" in the bachelor's degree program of the SP to the master's disciplines "Actual problems in life safety and environmental protection ”,“ Forecasting the consequences of emergencies of natural and man-made nature ”.

Analytical part

The guidance of SP 7M07218 “Food Technology” (prof.) Does not fully determine the impact of disciplines and professional practices on the formation of learning outcomes. For example, professional competencies obtained from the results of training undergraduates of an accredited SP: "apply knowledge in practice in the production of functional nutrition products from various types of raw materials with increased nutritional and biological value ...". However, the relationship between the acquired competencies and the content of disciplines in the SP is not fully traced. Also, during a conversation with representatives from employers, it was revealed that the graduates of this SP lack practical skills, which confirms the incomplete effect of the knowledge gained on the acquired competencies of graduates.

In SP 6B07215 “Technology of food products” - 7M07218 “Technology of food products” (prof.), The logical continuity to the levels of undergraduate and graduate programs is not fully traced. In SP 7M07218 "Technology of food products" (1 prof.)

There is block M2 "Fundamentals of scientific research and modeling", which does not correspond to the level of training of the "master's program". There is a duplication of names and content of disciplines in the SP bachelor's degree 6B07215 “Food Technology” and the SP magistracy SP 7M07218 “Food Technology”, for example, “Philosophy”, “Technology of milk and dairy products processing”.

When training specialists SP 6B07215 "Food Technology", a modular curriculum formation system, the principles of individual planning of training for students, elective courses and teachers are implemented. However, to improve the demand for specialists in the field of food technology, it is necessary to introduce trajectories in the SP for in-depth training of students.

The department "Construction and production of materials" conducts targeted work to organize the preparation of students for professional certification. In the summer, students of SP 6B07320 “Production of concrete and ceramic materials” are given the opportunity to undergo professional certification for obtaining working professions. However, for students of SP 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere" this opportunity is not provided.

- *The department “Construction and production of materials” cooperates with the following foreign universities: 1. Tashkent Institute of Architecture and Civil Engineering. 2. Kyrgyz State University of Construction, Transport and Architecture named* after N. Isanov. 3. Belarusian National Technical University. 4. Rzeszow University of Technology.

Currently, negotiations are underway on the implementation of joint master's educational programs with leading foreign universities in the SP 7M07313 - Modern building materials with the Tashkent Institute of Architecture and Civil Engineering.

- The Department of Life Safety collaborates with the following foreign universities: Brest State Technical University, Republic of Belarus. At present, negotiations are underway on the implementation of joint master's educational programs with leading foreign universities on educational programs 7M11211 - "Life safety in the technosphere": Institute of Mining and Mining Technologies "KSTU MES KR" (Kyrgyzstan).

- Department of TFPPIB. Currently, active cooperation is being conducted with Moscow State University of Food Production in the development of joint educational programs.

The EEC Commission notes the availability of conditions for the development and implementation of joint educational programs with foreign educational organizations in the areas of accredited SP

Strengths for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

- The qualifications obtained upon completion of the accredited SP are clearly defined, explained and correspond to the levels of the NSQ.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. Conduct a deeper analysis of the content of educational programs, develop joint academic programs with partner universities and begin to implement them.

Additional recommendations for the SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B11201 "Safety of life in the technosphere", 7M11211 "Safety of life in the technosphere":

2. Guide SP 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere" to begin focused work on organizing the preparation of students for professional certification in SP.

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.):

3. When forming the SP, take into account the influence of the content of academic disciplines and professional practices on the learning outcomes, use different types of training and assess learning outcomes of the competency-based SP model. To exclude the designation "Fundamentals ..." in the content of master's disciplines, the repetition of the content of special bachelor's disciplines, without violating the requirements of pre- and post-requisites in the specialties.

4. In order to ensure the possibility of choice for students, SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.) To develop alternative paths for educational programs.

EEC findings:

According to the standard "Development and approval of educational programs" 12 criteria are disclosed, of which according to the SP:

- 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" have 1 strong position, 10 are satisfactory, 1 implies improvement.

- 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere" have 1 strong position, 9 are satisfactory, 2 suggest improvement;

- 7M07218 "Technology of food products" (prof.) Have 7 - satisfactory positions, 5 - suggest improvement.

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

✓ *The university should conduct monitoring and periodic assessment of the academic program in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the SP.*

✓ *Monitoring and periodic assessment of SP should consider:*

- *The content of the programs in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the taught discipline;*
- *Changes in the needs of society and the professional environment;*
- *Workload, academic performance and graduation;*
- *The effectiveness of student assessment procedures;*
- *Expectations, needs and satisfaction of students;*
- *The educational environment and support services and their relevance to the goals of the SP.*

✓ *The university and the SP management must provide evidence of the participation of students, employers and other stakeholders in the revision of the SP.*

✓ *All interested parties should be informed of any planned or taken actions in relation to the SP. All changes made to the SP should be published.*

✓ *SP management must ensure that the content and structure of the SP are reviewed taking into account changes in the labor market, requirements of employers and the social request of the company.*

Evidence part

The university determines the mechanisms for monitoring and periodically evaluating the implementation of the SP in order to ensure the achievement of the goal and meet the needs of students and society. The criteria for the effectiveness of the activities of SP are: student enrollment, academic performance and employment (data on indicators are given in the standard "Students").

Monitoring the quality of the SP includes:

- internal and external assessment of the SP (rating of the department responsible for the implementation of the SP in the university, the rating of the teaching staff of the university, self-assessment of the SP in the framework of specialized accreditation, assessment of the quality of teaching, verification of activities for the implementation of the SP): for example, to ensure the interests of business and the state in the preparation and employment of qualified graduates of higher educational institutions of NPE Atameken conducted a rating of the TarSU based on 12 criteria (http://atameken.kz/ru/services/44-rejting-obrazovatelnyh-programm-vuzov). One of the accredited SP of the cluster "Food Technology" in 2018 was on the 15th position; The rating of the department and the rating of faculty of the university is based on the results of an anonymous survey of university employees and students, as well as employers according to the results of the academic year and the results of professional training of students. Examples of questionnaires were presented to the EEC Commission in the self-report application.

- internal assessment of the university: self-assessment and compliance with normative documents (standards, guidelines for self-assessment) of accrediting independent agencies - carried out periodically, after the expiration of the accreditation period, when preparing for accreditation procedures.

- external assessment: EAAA, specialized (program) accreditation, SP rating, final state certification of students;

- external assessment of the educational activities of the university: verification of compliance with the law, institutional accreditation, rating. Monitoring and evaluation of SP is carried out at the level of the department, dean's office and administration administration with the obligatory analysis and consideration of reporting on the dynamics of the program at meetings and the adoption of appropriate decisions for their implementation. For example, based on the spring (2019) analysis of the activities of the SP, it was decided to change the ciphers of the specialties of the accredited SP in the direction of the LS and CPM (described in more detail in the standard "Development and approval of the educational program").

At the department level, in accordance with the established schedule, control is carried out for all types of activities (classroom, teaching, research, educational, independent work of students, etc.) with discussion at weekly operational meetings. At the end of the 1st and 2nd semesters, an analysis of the activities of the teaching staff for the semester is carried out with discussion at the meetings of the departments and decision-making. If necessary, corrective actions are taken. For example, after analyzing the "obsolescence of professional staff", in order to rejuvenate teaching staff, a plan was developed to promote young teachers in the scientific field, namely, to apply for targeted grants for training in doctoral PhD (at LN Gumilyov ENU 1 teaching staff is trained from the department of M&A), admission to doctoral studies at TarSU (more than 3 teaching staff studied). The dean of the faculty weekly discusses the results of monitoring the progress of the educational process, analyzes the attendance of classes and the results of current and midterm control. According to the approved plan, it considers the quality of the educational process and research in the specialty, the activities of the department and individual teachers. On the issues under consideration, decisions are made by the faculty council with the development of corrective actions, if necessary. The implementation of planned work is supervised by the dean of the faculty.

At the university level, the analysis of the state of the educational process is carried out monthly at a meeting of the administration with the participation of vice-rectors, educational department, departments with specific decisions.

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

If inconsistencies of corrective actions are identified, changes are made to the training documentation: working curriculum of the specialty; working curricula of disciplines; lecture courses, practical training plans, practice programs; teaching materials for students and faculty; content and procedure for conducting intermediate and final certifications. The annual adjustment of documentation, its updating, unification are carried out with the aim of creating optimal study groups and lecture flows at faculties. The need to adjust existing disciplines by profession, the abolition of lost relevance or the introduction of new elective disciplines are discussed at a meeting of the department and the methodological seminar. The effectiveness of changes implemented by the SP is evaluated by the results of academic performance and the quality of training of students.

All processes associated with the implementation of the bachelor's and master's degrees in M.Kh.Dulaty Taraz State University are documented and verified by the quality service. When planning an SP for each specific discipline, a reference to the fundamental strategic documents of the Republic of Kazakhstan is provided.

The result of satisfaction of students, faculty and employers with places, conditions and content of practices, as well as the level of students and teachers is the opinions and reviews of organizations that provide the basis for internships. The EEC Commission was presented by employers on the best graduates of accredited SP, reviews of heads of professional practices for students of accredited SP, which are in a set of documents following the results of professional practice.

The university organized systematic activities for the employment of graduates. An annual alumni fair is held, where employers represent their enterprises and conduct express interviews with applicants. Representatives of enterprises of the region, potential employers, take part in the job fair. In an interview with graduates of accredited SPs, it was confirmed that graduating departments in their last year of study periodically organized round tables for students and undergraduates with employers, periodically updated students' resumes on the university website, and through professional practices, encouraged students throughout the entire period the training was tied to one enterprise, in order to obtain more in-depth skills on the specifics of enterprises and with a view to their further employment.

The departments constantly monitor the employment of university graduates by collecting information on the professional employment of graduates. One of the confirming factors of the external assessment of the SP is the employment of graduates (data are given in the standard "Students").

The university and the management of the SP presented evidence of the participation of students, employers and other stakeholders in the revision of the SP. The EEC Commission was presented with external expertise on the developed MEP with proposals on amendments to educational programs. Interviews with faculty and students also confirmed that participants in the educational process are actively involved in any opportunities for revising accredited SPs. For example, in an interview with students of the PS PSM, it was confirmed that 3-year students did not have the skills to complete practical training in the study of design training programs. Students made a proposal to increase the number of hours in this area, and the current 2 year course confirmed a

sufficient number of topics in specialized disciplines related not only to building materials, but also to the specifics in the field of building design.

As a result of the monitoring and periodic evaluation, new accredited amendments were made to the MPE and QED (described in standard 3 “Development and approval of educational programs”.

Proof of the participation of students and employers in the revision of accredited SPs is the minutes of departments (reviewed by the EEC commission), the receipt of external examinations (presented at the visit of the expert commission), the availability of data on participation in the working groups on the development of SPs (in the approved MPE accredited 2019-2020 training as part of development working groups, there are data on representatives of employers, students and faculty members. All MEPs are attached to the university website http://www.tarsu.kz/ru/component/k2/item/9042.html).

Analytical part

The EEC Commission notes that the relevance of the taught disciplines of SP 6B07215 / 7M07218 "Food Technology" (prof.), 7M11211 "Life Safety in the Technosphere" does not fully reflect the latest achievements of science. Presented by EMCS do not contain new innovative material in core disciplines. When attending classes, an individual teaching methodology was not traced.

Information on changes in the educational program is carried out at meetings of the department, educational and methodological councils, and the Academic Council of the university. ***However, the EEC Commission*** notes the absence of a mechanism for informing about any planned or taken actions regarding the SP of all interested parties outside the university. The university does not publish the changes made to the SP.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. To publish all changes in the MOS on the university website for interested persons.

2. To ensure the availability and effective functioning of the system of individual assistance and counseling for students and the conditions for the effective promotion of the student on an individual educational path.

Additional recommendations for SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B11201 "Safety of life in the technosphere", 7M11211 "Safety of life in the technosphere":

2. To create a working group on monitoring the internal content of the teaching materials for compliance with the relevance and modern requirements of the production activities of graduates, employers and the labor market, and based on the monitoring results, review materials that are inappropriate for the content and reflect the data in the minutes of the department meetings.

3. Ensure that the content of the disciplines SP 6B07215 / 7M07218 “Food Technology” (prof.), 7M11211 “Life Safety in the Technosphere” is updated with the latest science, technology and innovations in these areas.

EEC findings:

According to the standard "Continuous monitoring and periodic evaluation of educational programs" 10 criteria are disclosed, of which according to the SP:

- 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" have a 9 satisfactory position, 1 suggests improvement;

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B11201 "Life safety in the technosphere", 7M11211 "Safety of life activity in the technosphere" have 8 - satisfactory position and 2 suggest improvement.

6.5. Standard "Student-centered Learning, Teaching and Assessment"

✓ SP management should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.

✓ SP management should ensure the use of various forms and methods of teaching and learning.

✓ An important factor is the availability of our own research in the field of teaching methods of educational disciplines of SP.

✓ SP management should demonstrate the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes.

✓ SP management should demonstrate support for student autonomy, while also guiding and assisting the teacher.

✓ SP management must demonstrate the existence of a procedure for responding to student complaints.

✓ The university should ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each SP, including the appeal.

✓ The university should ensure that the procedures for evaluating the learning outcomes of students of SP study meet the planned learning outcomes and program objectives. Evaluation criteria and methods within the framework of the SP should be published in advance.

✓ The university should determine the mechanisms for ensuring the development of learning outcomes by each graduate of SP and ensure the completeness of their formation.

✓ Evaluators must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.

Evidence part

In M.Kh.Dulaty Taraz State University student-centered learning is implemented through the following provisions:

1) The student with the help of an adviser forms his individual curriculum for each academic period, using a standard curriculum and QED. The choice of an individual educational trajectory is carried out on the basis of MOS, in which, in addition to general educational, basic disciplines of the compulsory component, elective courses and practices are included that are aimed at ensuring professional competencies.

2) The student has the right to undergo training in academic mobility in other universities both in Kazakhstan and abroad, with the subsequent re-reading of the studied disciplines at the university and including them in the transcript.

3) The student can participate in double-degree programs with other universities with the possibility of inclusion in the transcript of disciplines studied in another university.

For the development of double-degree education of accredited SPs, work at the preparatory stage and today is limited to the conclusion of agreements with universities in far and near abroad. The next step is the management of accredited SP prepares the development of documents for the implementation of double degree education.

4) A student, being in another university within the framework of academic mobility, in the absence of the opportunity to study certain disciplines there, has the right to study these disciplines using distance learning technologies.

5) To meet the need for additional or re-study of disciplines at the university, a summer semester is held annually. The dates of the summer semester are divided for students who practice at the enterprises of the city of Taraz, and for students who undergo military training or practice in another locality, which gives equal opportunities for additional training to all students.

During the school year, the schedule of the SRSP hours is fixed in the schedule, the departments have schedules for consultations of teaching staff, additional information is provided in syllabuses for disciplines, the student can also contact the teacher by e-mail.

The training is combined with extracurricular work and practical training, for conducting classes branch offices are used in production.

To strengthen the practical orientation of the educational process, occupational specialists are invited to conduct classes (see the standard "Standards by Specialties).

Ensuring equal opportunities for students is achieved by developing educational, methodological, organizational, methodological and information support for the educational process in two languages of instruction: Kazakh and Russian. For multilingual groups in 2 languages: Kazakh / Russian, Kazakh / English, Russian / English.

The main role in assisting in the formation and promotion of the educational path is played by educators - advisers. Experienced teachers are appointed advisers for the formation of individual learning paths - Ph.D., PhD, masters.

For the successful development of educational programs by students of teaching staff of accredited departments, to increase the interest of students in educational and cognitive activities, teaching methods such as simulation training, case studies of term papers, modular teaching technologies, interactive presentation posters are introduced into the educational process.

The University carries out systematic work to monitor students' academic performance.

The performance analysis for the reporting period (table 5.6) showed that students of accredited educational programs consistently achieve high results. At the same time, among students of SP 5B072700 - Food Technology, there is a downward trend in academic performance.

The university constantly monitors the effectiveness of the educational services provided by systematically conducting student surveys on various standardized questionnaires.

The Committee on Youth Affairs is a structural unit of the university in the implementation of state youth policy and is the main lever of student self-government at the university, which in the established manner creates and liquidates youth groups and committees, approves their plans and regulations. The activities of the committee are aimed at implementing youth policy and developing measures for its full implementation.

The main methods for periodically evaluating educational activities include questionnaires (a sociological survey), interviews, and polls; internal audits; analysis of the rector’s blog, “boxes of trust”; content analysis of the media, etc. One of the important indicators of students' confidence in the university administration is the blog of the rector http://tarsu.kz/en/obrashchenie-rektora.html.

In the learning process, a criterion generally accepted in the world practice is used on the scale of alphabetic and digital designations, which reflects the mechanism for implementing a credit transfer based on the ECTS credit system. In accordance with this scale, grades are given on oral and written exams.

Point-rating letter system for assessing academic achievement - a system for assessing the level of academic achievement in points corresponding to the internationally accepted letter system with a digital equivalent, and allowing to establish the rating of students. According to the Regulation on the organization of the educational process on credit technology of education, examinations at the University are separate from the educational process. Assessment of students' knowledge allows to obtain data on the effectiveness of the educational process.

When implementing a student-centered approach in the feedback process, the wishes and needs of students are taken into account and decisions are made that are taken into account when drawing up the OP. Feedback with the student is carried out through the definition of an individual login and password, which creates the possibility of forming a two-way communication between the subjects of the educational process.

Access to the necessary teaching materials can also be obtained through the "Educational Portal" of the university website. Monitoring the progress along the educational path is carried out through the AIS "Platonus" system, where the student can get acquainted with their educational achievements through a personal account, which creates the ability to control their achievements. Council members of faculties and student deanships provide feedback to students in order to take their opinion into account when making decisions. As a result, the knowledge control system has become completely transparent, and all performance results are available for viewing online.

The element of assessing students' knowledge is the midterm control, which is used at the 7th and 15th weeks of the educational process and reflects the results of the current control with affixing milestones in the statement. The educational documentation of the faculty records the results of midterm control over the past 7 weeks (1st midterm control) and for 15 weeks (2nd midterm control). The results are discussed at a meeting of the department. The teacher is given the right to determine the form of conducting current and mid-term controls, depending on the specifics of the discipline. These forms include: test polls, quizzes and colloquiums, active work of students in the classroom (group and individual tasks). These assessment methods are included in the syllabus and voiced by the teacher at the beginning of the semester.

The final element in the assessment of academic achievement is the intermediate certification, which is carried out after studying the discipline during the examination session. To participate in the final control of knowledge, the student must dial in accordance with the "Regulation on planning, control and reporting in the educational process." The duration of examination sessions and the number of exams is determined in accordance with the academic calendar and the approved specialty work curriculum. Responsibility for organizing and conducting the exam lies with the deans and the registrar's office. During the session, in order to ensure openness and transparency, the following will be organized: the appeal commission, independent on-call teachers on exams (in order to separate the training and control processes), a committee of observers on the quality control of the development and use of control and measurement materials for exams.

In the open lesson, there must be the presence of leading teachers of the corresponding department and faculty, young teachers. A prerequisite for scheduling is to conduct open classes by doctors and candidates of science in the magistracy. The results are summarized, analyzed and discussed at the department, at a meeting of councils of faculties, as well as the UMC of the university. The duties of department heads include attending faculty classes and organizing mutual visits to departments.

Also, when forming commissions for the protection of term papers, diploma and master's theses, representatives from among the most competent persons of the teaching staff of the department are invited, with the involvement of third parties (chairman of the SAC) who have the appropriate qualifications, scientific degree, experience in the SAC commissions.

Analytical part

According to table 8, the EEC Commission notes the average level of publication of its own publications for the SP 6B07320 PBiKM, 7M07313 SSM, 6B11201 / 7M11211 LS. Mostly publications are published in Russian and Kazakh. Not enough own publications in English, which is necessary primarily for students in the magistracy. It is also necessary to intensify the work of teaching staff SP 6B07215 / 7M07218 "Food Technology" on the publication of textbooks, teaching aids and electronic textbooks in 3 languages.

When attending classes, the EEC Commission also noted the traditional presentation of the material, not all classes used presentation materials, ICT.

Teaching staff do not practice the use by developers of their own forms of innovative teaching methods.

An analysis of the available certificates of advanced training for teaching staff of accredited SPs shows that insufficient attention is paid in terms of advanced training in the specific areas of accredited SPs and in the field of modern methods for assessing learning outcomes.

Based on the foregoing, it is difficult to judge the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes, since this work is at an insufficient level.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. To annually monitor the teaching of specialized disciplines in order to improve the quality of teaching. Making suggestions on the introduction of new teaching methods should be reflected in the minutes of chair meetings.

2. To analyze the available certificates of professional development of teaching staff, existing contractual and initiative research in the departments in order to include the acquired competencies and the results of research in the conduct of specialized disciplines. The analysis data and measures taken are reflected in the protocols of the departments.

3. After the end of the semester, conduct monitoring and analysis of the effectiveness and impact of the use of various forms and methods of teaching in the educational process, own research in the field of teaching methods, as well as the participation of students in research on the achievement of the planned learning outcomes and student performance. "

Additional recommendation for SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.):

4. The management of SP 6B07215 / 7M07218 "Food Technology" to make specific indicators in the work plans of the department to publish their own publications in 3 languages.

EEC findings:

According to the standard "Student-centered learning, teaching and performance assessment" 10 criteria are disclosed, of which 7 have a satisfactory position and 3 require improvement.

6.6. Standard "Students"

✓ *The university should demonstrate a policy for the formation of the contingent of students in the context of SP from admission to graduation and ensure the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.*

✓ *SP management must demonstrate the implementation of special adaptation and support programs for newly enrolled and foreign students.*

✓ *The university must demonstrate the conformity of its actions to the Lisbon Recognition Convention.*

✓ *The university should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.*

✓ *SP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal learning.*

✓ *The university should provide an opportunity for external and internal mobility of students of SP, as well as assist them in obtaining external grants for training.*

✓ *SP management should make every effort to provide students with places of practice, facilitate the employment of graduates, and maintain contact with them.*

✓ *The university must provide graduates with a degree with documents confirming the qualifications obtained, including the results of training, as well as the context, content and status of the education and evidence of completion.*

✓ *An important factor is monitoring the employment and professional activities of graduates of SP.*

✓ *SP management should actively encourage students to self-education and development outside the main program (extracurricular activities).*

✓ *An important factor is the existence of an existing alumni / association.*

✓ *An important factor is the availability of a mechanism for supporting gifted students.*

Evidence part

The university demonstrated a policy of forming a contingent of students in the context of SP from admission to graduation and ensuring the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) are defined, approved, published.

Policies and procedures for admission of applicants to M.Kh.Dulaty Taraz State University is consistent with the mission, vision, strategic goals of the university and is officially published on the university website (http://www.tarsu.kz/ru/missiya-videniya-napravleniya.html).

Education in undergraduate studies is based on general secondary (secondary general), technical and vocational, higher (higher vocational) education. To persons applying for study under the bachelor's degree program in SP 6B07320 - “Production of concrete and ceramic materials”, 6B07215 - “Food technology” and 6B11201 - “Life safety in the technosphere”, M.Kh.Dulaty Taraz State University makes the requirements established by the Ministry of Education and Science of the Republic of Kazakhstan - the presence of an UNT certificate with a passing mark (50) or KTA (for college graduates).

Since 2017, applicants are evaluated according to the new system. This system includes not only final exams, but also questions of admission to higher educational institutions. This gives the university the opportunity to partially determine the level with which applicants will apply to them. According to SP 6B07320 - “Production of concrete and ceramic materials”, 6B07215 - “Food technology” and 6B11201 - “Life safety in the technosphere”, applicants for state educational grants pass maths and physics as disciplines in their profile. A passing score is defined as 50.

Admission to the magistracy is carried out on a competitive basis based on the results of entrance exams. According to the Master's program 7M07313 - “Modern building materials”, 7M07218 - “Food technology” and 7M11211 - “Life safety in the technosphere”, training is carried out in scientific, pedagogical and specialized areas. With a training period of 2 and 1 year, respectively.

During the academic year, the faculty of the departments of MA, TFPPIB, and LST, as well as students conduct career-oriented work on the formation of the contingent of students in accredited specialties. They go to rural schools of Zhambyl region (Zhualinsky, Ryskulovsky, Baizak districts), Turkestan region (Tulkibassky, Tolibisk districts). As part of the "Open Day" at the university, schoolchildren (city schools) are introduced to the activities of the university and, in particular, to the specialty. In addition to all this, information about the specialty is placed on social networks: facebook, vk.com, instagram, etc.

For acquaintance received on SP 6B07320 - “Production of concrete and ceramic materials”, 6B07215 - “Food technology” and 6B11201 - “Life safety in the technosphere” a presentation week is provided, the purpose of which is to study credit technology, which includes knowledge of the standards and provisions of the QMS University (Freshman Workshop). This is the control and assessment of student knowledge, educational work, research work of students, etc. The dean of the faculty, the head of the department, leading teachers conduct introductory classes, where applicants get

acquainted with the peculiarity of studying a specialty, the department. They study at the university, rules for living in dormitories, the students' self-government system, visit the library and reading rooms and subscriptions, where there is an extensive electronic search system for information.

An introductory course is carried out with the aim of recognizing and forming IEP, they make it possible to take advantage of the choice of both the teacher, the teacher and the teacher,

Each student is provided with a guidebook, which provides step-by-step information on the educational process for the entire first year of study: schedule of the educational process, lesson schedule, certification schedule, sessions, vacations, additional summer training events; plan of public, scientific events of the university. It includes a plan of the location of educational and administrative buildings, libraries, sports grounds and stadiums, dormitories, canteens. A guidebook for each school year is available for each student, like on a paper carrier, as well as in electronic form.

Assistance in nostrification of documents on education is expressed in the issuance of a conclusion by university experts on the equivalence and equivalence of transcripts in the SP.

The process of adaptation of foreign students has been organized at TarSU, which takes place both in the framework of educational activities and during extracurricular activities. Foreign students study in groups with other students, which contributes to the integration of a foreign student in a new socio-cultural life. To provide feedback with foreign students, a group was created in the Watsap messengers and telegrams.

From the 2015-2016 academic year, multilingual groups were formed, where 30% of the lesson is conducted in English. For students who are actively involved in sports and other activists who are often on business trips, the procedure for additional individual accumulation of points in the disciplines is provided.

In order to identify the needs of various categories of students, the data of regularly conducted performance analysis are used in the context of courses, faculties, specialties and students; information is used on the nature of students' appeals to deans, the registrar's office, and other structural units. Achievements of research work of students are confirmed by diplomas, diplomas. Students participate in research work and have the opportunity to complete the thesis (term paper) according to the results of these studies, that is, real work of practical importance for the enterprise, which raises the student’s rating and competitiveness in hiring. The research work of students is implemented through the implementation of program coursework and theses in the educational laboratories of the department. The content of term papers and dissertations is aimed at deepening theoretical knowledge, at the formation and development of independent applied (methodological) skills of students. The management of term papers is carried out by professors, associate professors and senior teachers of the departments. On the basis of term papers and dissertations, students carry out research projects.

One of the forms of research effectiveness of students in the departments is participation in Republican subject Olympiads, prizes in competitions of diploma projects. For instance:

- Students of specialty 5B073000 - CPM annually take part in the Republican subject Olympiad among students of higher educational institutions of the Republic of Kazakhstan, which is held at the base university - the Kazakh Head Academy of Architecture and Civil Engineering (IOC, Almaty) and win prizes.

- In 2015, a student of the PSMIiK-1.4 Kaliuly Adilet group (leader - Professor A. Sagindykov) was awarded the title “Student Researcher” of the university competition. Also, the student was awarded at the XVII student scientific and practical conference dedicated to the 550th anniversary of education Kazakh Khanate on the topic "The

Kazakh state in the stream of history: past and present" February 23-2.03.15 (diploma of 3 degrees).

- On April 9 and 10, 2015, the annual Republican Subject Olympiad was held on the basis of the IOC KazLAACE 2nd and 3rd degree diplomas were received by 3rd year students of the SP 5B073000 - CPM Oskenbaeva Saniya and Kaliuly Adilet.

- In 2015, in Kokshetau, at the Republican contest of student research projects “Ring of Eurasia”, two students were awarded first degree diplomas in the nomination “Construction, Architecture and Building Materials” by Oskenbaev Saniy and Kaliuly Adilet.

- December 5, 2015, student of SP 5B073000 - CPM Kim Tatyana Valerievna (scientific adviser candidate of technical sciences, associate professor GM Bayalieva) was awarded a diploma of the III degree at the Republican Review Competition of diploma projects in KazGASA (IOC), . Almaty.

- On August 22-24, 2016, student of SP 5B073000 - CPM Berkinbaev Miras, (scientific adviser Ph.D., acting associate professor G. Bayalieva) became the winner (diploma of the II degree) at the Republican Diploma Review Competition projects in KazLAACE (IOC), Almaty.

- On April 6-7, 2017, the annual Republican Subject Olympiad was held on the basis of the IOC KazGASA. A 2nd-degree diploma was awarded to a 3rd year student of SP 5B073000 - CPM Seydibalieva Alina.

- September 20-22, 2017, student of SP 5B073000 - CPM Zhumanazarov Mukagali, (scientific adviser Ph.D., acting associate professor G. Bayalieva) received a third degree diploma at the Republican Review Competition for diploma projects in KazLAACE (IOC), Almaty.

- September 21-22, 2018, student of SP 5B073000 - CPM Shamshiev Yersultan, (scientific adviser Ph.D., acting associate professor G. Bayalieva) received a certificate at the Republican Review Competition for graduation projects in KazLAACE (IOC)), Almaty city.

- On April 12-13, 2018, the annual Republican Subject Olympiad was held on the basis of the IOC KazGASA. The certificate was received by a 3rd year student of SP 5B073000 - CPM Maushet Uldana.

- March 14-15, 2019, on the basis of the IOC KazLAACE, the annual Republican Subject Olympiad was held. The 2nd degree student was awarded the 2nd year student of SP 5B073000 - CPM Artaeva Sandugash.

Also, students of SP 6B07320 - “Production of concrete and ceramic materials” have achievements at the International festivals of architectural, construction and design schools of Eurasia:

- On December 7-11, 2015, at the V International Festival of Architectural Building and Design Schools of Eurasia (Italy, Florence), student SP 5B073000 - CPM Kim Tatyana, (scientific adviser Ph.D., acting associate professor G. Bayalieva M. .) received a diploma of the III degree.

- On September 7-10, 2016, at the VI International Festival of Architectural Building and Design Schools of Eurasia (Lefkosa, Cyprus), student SP 5B073000 - CPM Berkinbaev Miras, (scientific adviser Ph.D., acting associate professor G. Bayalieva M. .) received a diploma of the II degree.

- On October 25-26, 2017, at the VII International Festival of Architectural, Construction and Design Schools of Eurasia (Samara, Russia), student SP 5B073000 - CPM Zhumanazarov Mukagali (scientific adviser Ph.D., acting associate professor G. Bayalieva M.) received a diploma of the III degree.

All diploma projects were published in the catalog of the International Festival of Architectural - Construction and Design Schools of Eurasia.

- In 2016, a 3rd year student of SP 5B073100- “BZhiZOS” Myrzaul A, Kanseyt E.E. participated in the Republican competition of student research papers “Mobile dust and gas suppression technology at the places of their formation and fire extinguishing using air-mechanical foam” (supervisor Associate Professor D. Dildabek).

- 2019-2020, 5B073000 - CPM, Republican review competition of diploma projects and master's theses in the framework of UMO RUMS in the direction “Architecture and Construction” (November 12-13, 2019, IOC, KazLAACE, Almaty), Berdibekuly Damir - 3 place (supervisor - Ph.D., associate professor Bayalieva G.M.).

- 5B073000 - CPM, IX International Festival-review competition of diploma projects and master's theses of architectural and construction and design schools of Eurasia (November 14-18, 2019, Tashkent, Uzbekistan). Berdibekuly Damir - 2nd place (scientific adviser - Ph.D., associate professor G. Bayalieva).

- Students of SP 6B11201 - “LST” Turar Musa (3rd year V15LSHD-1) and Karataev Azamat (3rd year V15LSHD-1) participated in the Republican team subject Olympiad and were rewarded with letters of thanks.

The university annually holds a competition of student research papers as part of the Science Day event, where mechanisms to stimulate the research work of students and their supervisors are improved. During the reporting period, more than 20 students reported at the conference.

At the department "Construction and Production of Materials" there are scientific circles "Gylym Alemi", "Sұңқar", "Silikat" and "Irgetas", in which students of all courses are engaged in research activities. At the same time, undergraduates help to oversee the work of the circle. Students are also involved in the implementation of search-initiative topics assigned to the department at the SIC building materials (supervisor Prof. A. Sagyndykov).

The research work of students of SP 6B07215 - Food technology is organized in the form of the scientific group "Gylym Olemi". Directions of scientific research of students of an accredited SP are interrelated with the subject of state budget research. Research work is carried out by 9 students. The results of scientific work carried out on the basis of the research laboratory of engineering profile M.Kh.Dulaty Taraz State University "Nanoengineering research methods" and the CCI department, students report at scientific and student conferences at various levels, and are also represented for participation in the national competition for the best student work.

The University has a Center for the Development of Student Creativity, which works in close collaboration with the Akimat of the region and the city, departments of internal politics, youth policy, culture, sports departments, the regional court, the prosecutor’s office, the department of internal affairs, as well as organizations and institutions, and provides assistance and takes part in all cultural events on the scale of the city, region and Republic, contributes to the cultural life of the region and city. One of the active representatives is student Shengof Violetta (SP 6B07215 - Food Technology), who participates in a model studio, dance ensembles of the choreographic studio - Asylay, Gauhartas, cheerleading and Tarsu.kz dance groups, in the 14th Delphic Oblast The games.

The university also has a Committee on Youth Affairs, in which student deanships and youth organizations work continuously: student councils in dormitories, student union committee, MK Zhas Otan, IDC Arena of Free Thoughts, SMO Dostyk, youth club Femida ”,“ Alliance of Students of Kazakhstan ”, the youth organization“ Streetworkout ”, the KVN League“ Zhaidarman ”, the youth club“ Bal-Darikha ”, the youth club“ Mugilik el mrasy ”, the team of the organization“ Enactus TarSU ”, the labor forces“ Zhasyl El ”. Students of the SP cluster are involved in the activities of these organizations: 2nd year

student of SP 5B073100 - “LST” Jienbay A., is a member of “Zhas Otan”. 2nd year student of SP 5B073100 - “lst” Osikova V. is a member of “EnactusTarSU”.

Students in need of additional income participate in the activities of the Zhasyl El Youth Labor Unit, and in student construction teams. The goal of the Student Construction Squads and Zhasyl El is to green the city, help construction organizations and gain invaluable experience. Students of SP 6B11201 - “LST” 2nd year students Tulebaev A., Saymasaev D., 1st year students - Makhmutov D., Sailauov A.

The sports club "Sunkar" organized the work of sports sections in 15 sports: volleyball, futsal, tennis, boxing, tozizmalak, karate-do, all-around, darts, etc. Students have created good conditions for playing sports, and many of them demonstrate high results, among them students of the SP cluster:

- Bolatov Adilet, Karataev Azamat, Suyenbai Bekzhan - kickboxing;
- Ushkempir Alibek - arm wrestling;
- Muratuly Alfarabi - water polo.

The close and fruitful cooperation of the departments with the bases of practice contributes to the demand for graduates of the program. Students, confirming their readiness for professional activities at the stage of internship, receive offers from employers on employment at the end of the educational program. Departments monitor the graduates' labor activity, invite them to meet with freshmen, help in further professional growth through training in master's and doctoral programs. Analysis of employment showed that the bulk of graduates are arranged according to the profile of the SP.

The percentages and the number of employed graduate full-time graduates by cluster for 2016, 2017, 2018 reflect the increase in the percentage of employed graduates (table 9).

Table 9 - Employment of students accredited SP

SP	2016-2017		2017-2018		2018-2019	
	total	%	total	%	total	%
6B07215 - Technology of Food products	4	100	4	75	2	100
6B07320 -Manufacture of concrete and ceramic materials	8	100	4	100	5	100
6B11201 -Life safety in the technosphere	37	89	28	64	4	100

Graduate graduates of accredited SP have 100% employment.

In accordance with PD 11 / 1.01-2018 "Regulation on the provision of discounts on payment to students of M.Kh.Dulaty Taraz State University”also provides individual discounts of up to 50% to students from families of socially vulnerable segments of the population; for students without parents and left without parental care, a 100% discount on payment is provided. Orphans who have guardians receive a 50% discount. Students with disabilities receive discounts of 30 to 50%. Each student from large families is given a discount of 15 to 50%. For example, at the Department of Life Safety, the following students received discounts on tuition:

1. Aidaruly Adilet - 2 courses (15%),
2. Akhmadzhanov Ruslanzhan Rakhimzhanovich - 2 year (15%),
3. Musa Baknurbek Khamiuly-1-course (30%,),
4. Myrkasym Beksultan Tursynkhanuly -1 course (20%),
5. Bolatov Adilet -3 course- (80%),
6. Asgarbekov Nursultan Erboluly - 4 year (15%),
7. Zhalgasbayev Zhanpolat Rakhmanbayuly - 1 course (15%),
8. Zhetegenov Meirlan Zhekebayuly - 3 year (15%),

9. Tilgen Ziyaly Zhandosuly - 3-course (15%),
10. Oksukbay Botakoz Kairatkyzy - 1 course (20%),
11. Temirkhan Almaskhan Kayratuly -4 course (15%),
12. Anuarbekov Arnur Anuarbekuly - 4 year (15%),
13. Bolatbekova Aidana Nurlangyzy - 1 year (15%),
14. Isakulov Kuanysh Nurlanuly - 4 year (15%),
15. Kudaev Zaurbi Rustemuly - 3 year (15%),
16. Kasymzhan Akbergen Zhumakhanuly - 3 year (15%),
17. Musabaev Bekzhan Bolatuly - 1 course (15%).

The EEC Commission notes that in order to stimulate and maintain the contingent, the leadership of the university can consider the possibility of stimulating students who have completed their semester with excellent marks.

Analytical part

The contingent of students SP 6B07320 - "Production of concrete and ceramic materials", 7M07313 - "Modern building materials", 7M07218 / 6B07215 - "Food technology" and 6B11201 / 7M11211 - "Life safety in the technosphere" is formed as a result of the annual competition for state-of-the-art food on a contractual basis. Each year, the university approves a price list for paid educational services, agreed upon by the Higher Education Department of the Ministry of Education and Science of the Republic of Kazakhstan. Table 10 and 11 show the data characterizing the contingent of students for 2014-2019.

Table 10 - The formed contingent of students in the context of accredited undergraduate courses

Academic year	Form of study	Total students	Studying with a grant		Students studying on a paid basis		Number of students expelled
			rus	kaz	rus	kaz	
5B072700-Food Technology (old code)							
2014-2015	Full-time / part-time / distance	27	1/0/0	10/0/0	0/0/0	15/1/0	2/0/0
2015-2016	Full-time / part-time / distance	24	1/0/0	9/0/0	0/0/0	14/0/0	0/0/0
2016-2017	Full-time / part-time / distance	24	0/0/0	8/0/0	5/0/0	8/2/1	1/1/0
2017-2018	Full-time / part-time / distance	36	0/0/0	9/0/0	4/3/0	14/5/1	1/0/0
2018-2019	Full-time / part-time / distance	43	0/0/0	17/0/0	3/3/0	13/9/1	4/2/0
6B07215-Technology of food products (new code)							
2019-2020	Full-time / part-time / distance	13	1/0/0	10/0/0	0/0/0	1/0/2	0/0/0
5B073000- Production of building materials, products and structures (old code)							
2014-2015	Full-time / part-time / distance	69	0/0/0	3/0/0	3/24/0	38/1/0	6/3/0
2015-2016	Full-time / part-time / distance	63	2/0/0	15/0/0	1/18/0	7/21/0	0/9/0
2016-2017	Full-time / part-time / distance	68	2/0/0	14/0/0	1/21/0	6/27/1	1/0/0
2017-2018	Full-time / part-time / distance	64	3/0/0	12/0/0	2/19/0	4/23/1	0/0/0
2018-2019	Full-time / part-time / distance	68	1/0/0	16/0/0	2/10/0	6/33/0	4/4/0
6B07320-Production of concrete and ceramic materials (new code)							

2019-2020	Full-time / part-time / distance	8	0/0/0	4/0/0	1/0/0	2/0/1	0/0/0
5B073100- Life safety and environmental protection (old code)							
2014-2015	Full-time / part-time / distance	136	4/0/0	22/0/0	6/5/0	80/19/0	2/0/0
2015-2016	Full-time / part-time / distance	133	4/0/0	22/0/0	2/6/0	85/14/0	0/3/0
2016-2017	Full-time / part-time / distance	144	2/0/0	22/0/0	1/7/0	94/18/0	4/1/0
2017-2018	Full-time / part-time / distance	84	1/0/0	23/0/0	5/5/0	25/25/0	1/1/0
2018-2019	Full-time / part-time / distance	180	0/0/0	29/0/0	7/8/0	91/45/0	16/6/0

The EEC Commission notes a sharp decrease in the contingent after assigning a new code by the accredited SP according to the approved classifier for 2019-2020 in specialty 6B07215-Food Technology by 58%, in specialty 6B07320-Manufacture of concrete and ceramic materials by 88%, in specialty 6B11201-Life Safety in the technosphere by 70%.

Table 11 - The formed contingent of students in the context of accredited masters specialties

Academic year	**Form of study**	**Total students**	**Studying with a grant**		**Students studying on a paid basis**		**Number of students expelled**
			rus	kaz	rus	kaz	
6M072700 - "Technology of food products"							
2014-2015	Full-time	6	2	3	-	1	-
2015-2016	Full-time	3	3		-		-
2016-2017	Full-time	-	-		-		-
2017-2018	Full-time	3	3		-		-
2018-2019	Full-time	4	2		2		-
7M07218 - "Technology of food products" (prof.)							
6M073000 - "Production of building materials, products and structures"							
2014-2015	Full-time	9	4	4	1	-	-
2015-2016	Full-time	7	7		-		1
2016-2017	Full-time	3	2		1		-
2017-2018	Full-time	5	3		2		1
2018-2019	Full-time	7	7		-		-
7M07313 - "Modern building materials"							
6M073100 - "Life safety and environmental protection"							
2014-2015	Full-time	11	6	4	-	1	1
2015-2016	Full-time	9	8		1		1
2016-2017	Full-time	7	6		1		-
2017-2018	Full-time	5	3		2		-
2018-2019	Full-time	4	3		1		-
7M11211 - "Life safety in the technosphere"							

The EEC Commission notes a sharp decrease in the contingent of undergraduates after assigning a new code to the accredited SP according to the approved classifier for

2019-2020 in the specialty 7M07218 - "Food Technology" (prof.) By 100%, in the specialty 7M07313 - by 68% , in specialty 7M11211 - "Life safety in the technosphere" by 100%.

The university provides an opportunity for external and internal mobility of students of SP. The leadership of the university carries out purposeful work to ensure the conditions for learning English by target groups of students, during the interview students talked about the quality of the English language courses, and according to experts, it is desirable to involve native speakers in the English language courses.

The EEC Commission notes that the academic mobility of students in accredited SPs is weak. The EEC Commission also notes the lack of participation of students in competitions for external grants, international competitions.

Table 12 - Academic mobility for accredited SP cluster for the period 2014-2019:

SP	incoming	outgoing
6B07215 "Technology of food products"	-	2
7M07218 "Technology of food products" (prof.)	-	-
5B073000 "Production of building materials, products and structures"	3	1
6M073000 "Production of building materials, products and structures"	-	1
6B07320 "Production of concrete and ceramic materials"	-	-
7M07313 "Modern building materials"	-	-
5B073100 "Life safety and environmental protection"	2	-
6M073100 "Life safety and environmental protection"	-	-
6B11201 "Life safety in the technosphere"	-	-
7M11211 "Life safety in the technosphere"	-	-

In M.Kh.Dulaty Taraz State University Association of Alumni and Teachers was created, the main goal of the Alumni and Teachers Association is to promote the development of a system of training specialists with innovative education, the formation of their business and professional qualities, spiritual and moral education in the spirit of Kazakhstani patriotism. At the department of BMT there is an intra-cathedral society of graduates. However, the EEC ***Commission noted*** the absence of similar organized communities in other departments. Interviews with graduates confirmed the weak activity of the Alumni Association as a whole for the university.

In order to attract potential employers, the university annually holds an employment fair in April, in which institutions and enterprises of the region take part. Feedback with graduates is maintained through negotiations, correspondence, meetings and e-mail, as well as surveys of graduates of the current year and past years. However, the EEC Commission, based on interviews with teaching staff, employers and graduates of the accredited SP 7M07218 Technology of food products (prof.), Notes insufficient monitoring of the employment and professional activities of graduates of the SP.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. To the SP management, in accordance with the university development program for 2019-2020, in the development plans of accredited SPs, include specific indicative indicators for the selection of students, including on a contractual basis, and begin to

implement them, with the development and implementation of a career guidance plan work.

2. In accordance with the university development program for 2019-2020. (Clause 9, Clauses 26, 27, 28) to the SP management to include indicative indicators in the plans for the development of educational programs, in the work plans of the departments and implement the points: “participation of students in the program“ external and internal academic mobility ”,“ participation of teaching staff in the program “external academic mobility”, “participation of students in competitions for obtaining external grants for training”, “increase in the number of students in English”.

3. The leadership of the university to update the activities of the Alumni Association.

4. The management of the SP annually develop and implement a plan for attracting students to research and participate in competitions for grant financing of the Ministry of Education and Science of the Republic of Kazakhstan, the World Bank, social projects, competitions of the Fund of the First President of the Republic of Kazakhstan, Erasmus, Tempus programs, etc.

Additional recommendations for SP:

- 7M07218 "Technology of food products" (prof.):

5. The management of the SP to analyze existing agreements on cooperation with partner organizations in order to exclude enterprises that are not related to the professional activities of graduates of masters in the field. Consider options for concluding cooperation agreements with enterprises for internships and internships, as well as conducting R&D of potential undergraduates, with a view to the possibility of their further employment in the field of study.

EEC findings:

According to the standard "Learners" 12 criteria are revealed, of which according to the SP:

- 6B07215 “Food Technology”, 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials”, 6B11201 “Life safety in the technosphere”, 7M11211 “Life safety in the technosphere” have 10 satisfactory positions and 2 require improvement;

- 7M07218 "Food Technology" (prof.) Has a 9 satisfactory position and 3 require improvement.

6.7. Standard "Academic staff"

✓ *The university should have an objective and transparent personnel policy, including in the context of SP, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff.*

✓ *The university must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic program.*

✓ *The SP management must demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.*

✓ *SP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.*

✓ *The university should determine the contribution of faculty staff to the implementation of the development strategy of the university, and other strategic documents.*

✓ *The university should provide career opportunities and professional development of teaching staff of the SP.*

✓ *The management of the SP should involve practitioners in the relevant industries.*

✓ *The management of the SP should provide targeted action for the development of young teachers.*

✓ *The university should demonstrate the motivation for the professional and personal development of teachers of SP, including encouraging the integration of scientific activity and education, as well as the use of innovative teaching methods.*

✓ *An important factor is the active use of the teaching staff of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MSP, etc.).*

✓ *An important factor is the development of academic mobility within the framework of SP, attracting the best foreign and domestic teachers.*

✓ *An important factor is the involvement of teaching staff in public life (the role of teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative contests, charity programs, etc.).*

Evidence part

The main goal of the personnel policy of M.Kh.Dulaty Taraz State University - ensuring the processes of updating and maintaining the number and quality of staff in accordance with the needs of the University, the requirements of the current legislation of the Republic of Kazakhstan and the state of the labor market. Institutional procedures in relation to teaching staff and staff (hiring, promotion, promotion, reduction, dismissal, rights and duties, job descriptions) are developed on the basis of the laws of the Republic of Kazakhstan “On Education”, “Labor Code” and “Target Rules them. M.Kh. Dulati. " The remuneration of teaching staff is carried out in accordance with the current regulations and normative acts, as well as the Charter and the “Regulation on bonus payments to employees of M.Kh.Dulaty Taraz State University".

A highly qualified teaching staff has been formed at the departments, which ensures the training of specialists in accordance with the requirements of the State educational standard and the Development Strategy of M.Kh. Taraz State University Dulati for 2016-2019 (Order No. 205 of 03/01/2016).

The activities of the teaching staff are regulated by the Rules of the internal labor schedule of M.Kh.Dulaty Taraz State University ”, approved by the rector of M.Kh.Dulaty Taraz State University, as well as the Rules of academic integrity of teachers, staff and students of Taraz State University named after M.Kh. Dulati, approved and enforced by order of the rector of M.Kh.Dulaty Taraz State University 04/29/2017 No. 190. The relations between the teaching staff and the administration are regulated by an individual labor contract concluded for a specified period.

The decision to accept an employee in the staff is made directly by the university rector on the basis of the presentation of the head of the structural unit and in accordance with the University Standard STU 08-2013 “Personnel Management”. Acceptance and election of teaching staff for vacant posts is carried out in accordance with the "Rules for the competitive replacement of the professors and academic staff of universities (Regulation on competitive replacement of the professorial and teaching staff of TarSUIM. M.Kh.Dulati, http://tarsu.kz/ru/ vnutrennie-normativnye-dokumenty-universiteta.html).

When determining qualification requirements, the PS is guided by the Typical qualification characteristics of the positions of teachers and equivalent people approved by order of the Minister of Education and Science of the Republic of Kazakhstan No. 338 dated July 13, 2009, On the approval of the Typical qualification characteristics of the positions of teachers and equivalent people (as amended) and additions as of July 12, 2019) on the basis of which the job descriptions of the PS were developed. Information about the availability of vacant posts is posted in the media and on the university's online resource. To identify the level of professional compliance at the university, annual university certification is conducted. Assessment of the activities of teachers is carried out in accordance with the "Regulation on the comprehensive assessment of the professional activities of a teacher" No. 213 of May 31, 2018, approved and enacted by order of the rector of M.Kh.Dulaty Taraz State University from 04/23/2018. Number 189

The formation of teaching staff is carried out in accordance with the terms of employment approved by the Ministry of Education and Science of the Republic of Kazakhstan, both by contract and by competitive selection for filling vacant teaching staff (regulated by internal documents of TarSU) "Regulation on competitive filling of teaching staff" according to the order of TarSU from 07/12/2018 g.

An analysis of the quality indicators of teachers who carry out accredited educational programs has shown a sufficient level of degree that allows them to successfully carry out educational activities at all levels of education. The Commission notes that teachers who implement accredited Master's degree programs are in the age

group of 50 to 60 years. But the head of the SP pays great attention to the rejuvenation of the staff. Currently, 5 people are studying in doctoral studies, more than half of whom are teachers of the departments of accredited SPs (M.Məliktayұly, Kadreshev E.Zh., Sұyinishbaeva Қ., Naurzaliev N.A., Uzenbekov Sh.B.).

In order to improve the professional level, motivate employees and stimulate employees, there is a system of bonuses for teachers and employees for personal contributions and the results achieved in labor activities. Based on the methodological instructions "Moral and material labor stimulation of teaching staff of M.Kh.Dulaty Taraz State University ", approved by the Supervisory Board on December 7, 2016, at TarSU are effectively using measures of moral and material incentives for faculty and staff for their professionalism and dedication. Encouragement is given to workers who have received high levels of quality of work in their activities. Every year, university teachers participate in the competition of the Ministry of Education and Science of the Republic of Kazakhstan for the title "Best University Teacher". For high performance in teaching and research, research and public work, teachers are awarded with badges, letters of appreciation and letters of thanks of the President of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan, branch ministries, akimat of the region and city, rector, etc.

The teaching staff of accredited departments have honorary titles and awards at the level of the Republic of Kazakhstan: the best teachers of the Higher Education Ministry of the Republic of Kazakhstan, the holders of the state scientific scholarship of the Ministry of Education and Science of the Republic of Kazakhstan, the A. Baitursynuli Breastplate, the State Scientific Scholarship for young scientists, the Yeren erbegi үshin medal, etc.

The faculty of the department of accredited SPs are actively engaged in research activities.

At the Department of CIPM:

- Modern strategic research program for the critical state of matter, promising materials and energy sources (2014-2018), section of the project: "Modern technology of epitaxial magnetron sputtering for GaN thin films" (contract No. 313-20015 of December 10, 2015, ***683200 tenge***, State Institution "National Laboratory Astana", performer: Doctor of Technical Sciences, Professor A.A. Sagyndykov, Ph.D., Associate Professor A.T. Kirgizbaev, Department of Higher Vocational Education, undergraduate).

- Concrete quality assurance (contract No. 1311044 dated November 18, 2013, ***4,000,000 tenge***, PetroKazakhstan Kumkol Resources JSC, faculty staff)

- Development of recommendations for the introduction of energy-saving technologies in the design, construction and reconstruction of structures in the southern region of the Republic of Kazakhstan "(contract of 2019 for the amount of ***400,000 tenge***, performer PhD Moldamuratov Zh.N., undergraduates).

- Research work "Improvement of the method of calculating steel-concrete structures" (contract No. 3/2019 of September 30, 2019, ***1,000,000 tenge***, performer PhD Moldamuratov Zh.N., undergraduates).

In the department of TFPPIB:

The introduction of research into production from 2014 to 2019. - It is 17 research projects that have been introduced into the production of the region, connected with the technology of processing industries, the leaders of the research work were the leading teaching staff of the department, with a total amount of 988988.***12 thousand tenge***.

In the department of LS:

The results of the 2014-2015 academic year - 7 research projects implemented in the production of the region, Kzylorda and Turkestan regions, under the supervision of a doctor of agricultural sciences, professor A. Dzhumabekov, with a total amount of ***38 318 000 thousand*** tenge. 2016-2017 academic year - 2 research projects with a total cost of

5,180,000 tenge were introduced into production. 2016-2017 academic year - 2 research projects, 2019-2020 academic year - 4 research projects, with a total amount of about ***40,000,000 tenge***.

Further training of teachers is carried out through courses, seminars, individual internships, trainings, master classes. For the faculty annually, a continuing education plan is drawn up. Further education of the faculty is coordinated by the department of the career center and professional development. The professional development plan includes all types of advanced training courses, studies in a magistracy, doctoral studies, etc. Upon completion of the advanced training, documents confirming training (certificates) are submitted to the department of the career and professional development center, and a report is heard at the department meeting.

The university provides advanced training courses for young teachers and employees in the areas of educational programs, in technical pedagogy, strategic management, and free English courses that enhance the level of professionalism and competence of young specialists. The competitions "Best Young Scientist", "Best Young Innovator" are held annually, in which young scientists under 35 take part.

During the reporting period, teaching staff of accredited SPs underwent advanced training in various universities of the Republic of Kazakhstan.

In the department of LS - senior teachers Kadreshev E.Zh., Uzenbekov Sh.B. and candidate of technical sciences, associate professor Sarbasova G.A. - at Al-Farabi Kazakh National University, senior lecturer Zhaylaubaev Zh.Zh. - in the NAO "Kazakh National Agrarian University" on the topic: "System analysis and modeling of the security management process in the technosphere."

For the reporting period, the teachers of the Department of Computer Engineering and Management passed professional development in the production and universities of Kazakhstan. In the 2014-2015 academic year, Ph.D., associate professor of the department Bayalieva G.M. and doctor of technical sciences, professor Sagyndykov A.A. - a course in the direction of "Concrete Technology" in Agrospetsstroy LLP. Senior Lecturer Karabaev N.T. in the 2015-2016 academic year and senior teacher Imanberdieva Zh.T. in the 2016-2017 academic year - at the Laboratory of Road Construction and Combustive-Lubricating Materials LLP in the areas of Quality Control of Building Materials and Testing of Building Materials. In the 2017-2018 academic years, Ph.D., associate professor G. Bayalieva and candidate of technical sciences, associate professor Nurpeisov S.K. - in the direction "Production of building materials, products and structures" at the South Kazakhstan State University named after M. Auezov. Refresher courses in the direction "Application of modern technology in the construction industry" were held by the faculty of the Department of Moldamuratov Zh.N. PhD, Associate Professor and Nurpeisov S.K. Ph.D., associate professor at Taraz Kurylys Invest LLP from 05.27. until 1.06.2019

Teachers of the department TFPPIB - Borankulova A.S., Soltybaeva B.E. went through an internship at KazGU named after Al-Farabi, as well as the teacher of the department D.K. Tungishbaeva completed an internship at the St. Petersburg National Research University of Information Technologies, Mechanics and Optics - the 2014-2015 academic year. In the 2015-2016 academic year, on-the-job training took place at A.Burnenskaya Dairy Company LLP A.B. Mynbaeva, B.A. Sauir, A.A. Kiyabaeva; in Maylykent-sүt LLP S.M. Ergalieva A.S. Umirbekova; "Taraz-Nan" A.S. Қlyshbekova, A.B. Sarshaev (Minutes No. 8 dated 02/01/2018). In the 2016 -2017 academic year On-the-job training took place at IP “Dauytov” M.D. Kenzhehodzhaev, at the Zhambyl Scientific Research Veterinary Station Kh.A. Aubakirov M.Sh. Garazhayev, L.Zh. Alashbaev, at the Merkensky Cheese Plant LLP A.S.Borankulov; in LLP “Burnenskaya dairy company” A.K Sadybaev, B.E. Soltybaev; in FE Lesnyak N.V. Ivannikov (Minutes No. 7 dated January 20, 2017). In the 2017-2018 academic year Mynbaeva A.B., Umirbekova A.S. underwent

advanced training at the Almaty Technological University, as well as N.V. Ivannikova underwent further training in the period from May 21 to May 26, 2018. in Belarus, Mogilev, at the Mogilev State University of Food (May 28, 2018, protocol No. 16).

The calculation of the academic load for the academic year is carried out by the department in accordance with the working curriculum of the specialty and the student population. The distribution of teaching load is made taking into account the qualifications of teachers. Lecture classes are conducted by professors, associate professors, PhD doctors and senior teachers. The teaching load of teachers is determined according to the list of disciplines of SP, the contingent of students, forms and types of classes. The plan and the actual fulfillment of the load are recorded in the individual plan of each teacher, in the annual reports of the teaching staff. Differentiation of the load is carried out in accordance with the positions held.

The annual volume of academic work of teaching staff in the departments is established by the Academic Council, based on the approved standard for the academic year, staff of the teaching staff and taking into account the need to perform all types of educational work arising from the curriculum. The teaching load of the teaching staff is formed in accordance with the "Regulation on planning, control and reporting in the educational process of April 29, 2017" and the annual order on the approval of the time standards for the annual academic load for the academic year, in which the amount of hours of teaching load for categories of teachers (professor, associate professor, senior teacher and teacher).

The distribution of the workload is carried out taking into account professionalism, experience and taking into account the focus on specializations. The teaching load of teaching staff is determined at all levels of education. The teaching load of the professor is 600 hours, associate professor - 650 hours, senior teacher - 700 hours, teacher - 750 hours.

The teaching load of the teaching staff of the department includes all types of classroom studies, midterm control, practice, consultations, management of theses and dissertations, final certification. The academic load for the undergraduate and graduate programs for the 2018/2019 academic year is 14,402.45 hours. The load of teachers over the past 5 years is presented in table 13.

Table 13 - The average academic load of the teaching staff of the Department of accredited SP

Depart ment	2016-2017 г.		2017-2018 г.		2018-2019 г.	
	total, p.	Inc. room	Total, p.	Inc. room.	Total, p.	Inc. room.
CPM	640,5	344,65	637,61	342,11	635,6	362,56
LS	556,8	272	731,8	380	632,4	428,5
TF	649,5	363,2	652	364	648	381

Every year the department's steadiness increases due to the personnel policy to increase the share of graduate teaching staff, due to graduates of the PhD doctoral program.

Promotion of teaching staff in the service primarily depends on the individual rating of the teacher and university employee, which is formed at the end of each academic year. For this purpose, the University developed and implemented the Regulations, covering all aspects of the teaching staff and which is the basis for the competition among teachers for filling vacant posts, as well as in the formation of a reserve for the administrative level of the university.

Analytical part

The high level of professional competence of teachers is ensured by the university's representation in various events of the Ministry of Education and Science of the Republic of Kazakhstan, akimats of regional, city and district significance, the NurOtan party, the Assembly of the people of Kazakhstan, cultural institutions, etc. Efficiency and quality of teaching, evaluated by conducting open training sessions, mutual attendance of classes, as well as conducting a survey of students on the questionnaire "Teacher through the eyes of students", also confirms the level of competence of teachers. The results of the questionnaire "Teacher through the eyes of students" of departments implementing the preparation of SP are presented in table 14.

Table 14 - the results of the questionnaire "Teacher through the eyes of students" departments implementing training SP

o/n №	Department	Rating point			
		2015-2016	2016-2017	2017-2018	2018-2019
1	Department CPM	8,05	7,99	7,64	8,02
2	Department LS	7,56	7,61	8,04	7,9
3	Department TFPPIB	8,05	8,15	7,54	8,31

However, the EEC Commission noted the insufficient activity of the application of teaching staff of information and communication technologies in the educational process, and the virtual absence of the use of currently relevant programs, such as e-portfolio, MEP, etc.

The university periodically lectures foreign teachers from near and far abroad, as well as specialists from manufacturing enterprises in the city and region. For example, in the academic year 2018-2019, Professor BartoszPiatek (Zhushevsky University of Technology, Rzeszow, Poland), as part of the international ERASMUS program, gave a lecture on the topic: "Calculation and design of building structures in accordance with modern design standards" for 3-4 year students specialties 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", undergraduates and teaching staff of the department in Russian and English (2018). Also in the 2015 academic year, a candidate of technical sciences, associate professor of the Institute of Architecture and Construction of the Kazakh National Technical University named after K. Satpaev Nashiraliyev Zhangeldy Turtemirovich was invited to lecture at the Department of Construction and Materials).

However, the EEC Commission notes that teachers who implement accredited educational programs do not participate in academic mobility programs abroad and poorly realize this opportunity in Kazakhstani universities, although a high level of their professional competence is in demand and will be effective in other universities. During the interview, an answer was given about the influence of family circumstances, the lack of detailed information about the possibilities of implementing the academic mobility program. The EEC Commission also notes the weak possibility of implementing the academic mobility program of teaching staff, participation in international competitions and grant programs due to (due to) a lack of knowledge of a foreign language.

Data on the scientific publications of the faculty of the department for 2014-2019. are given in table 15.

Table 15 - Scientific publications of teaching staff of the departments of accredited SPs for 2015-2019.

Departme	**Publications**	**2014-**	**2015-**	**2016-**	**2017-**	**2018-**

nt of CPM		**2015**	**2016**	**2017**	**2018**	**2019**
	Publications:	1	2	2		
	- with non-zero impact factor, etc.				2	
	- Tomson Reuters, Scopus	3	17	1		
	- CIS	20	25	23	6	
	- University journals: “Bulletin of TarSU”,	21	23	6	27	
Departme nt of LS	"Mechanics and technology"	2				
	In the collections of Conference Materials:					
	- international			1		1
	- republican	14				2
	Publications:	11 1	3 2	3 1	7 3	3 3
Departme nt of TFPPIB	- with non-zero impact factor, etc.	2	2	2	2	2
	- Tomson Reuters, Scopus	3	-	-	1	1
	- CIS	8	9	12	11	11
	- University journals: “Bulletin of TarSU”,	5	6	5	4	7
	"Mechanics and technology"	13	15	14	16	24

The EEC Commission notes a decline in publishing activity in 2019, at the Department of the TFPPIB - an actual lack of publications, as well as a low percentage of publications for the period 2016-2019. in indexed journals with a high impact factor.

Training is provided by the faculty of the departments "TFPPIB", "CPM", "LS". Basic education, specialty code for academic degree and academic title of teachers of graduating departments participating in the implementation of the accredited educational programs 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of Concrete and Ceramic Materials, 7M07313 Modern building materials ”, 6B11201“ Life safety in the technosphere ”, 7M11211“ Life safety in the technosphere ”as a whole correspond to the 80% SP profile.

Table 16 presents the faculty of the department of accredited SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere ", 7M11211 "Life safety in the technosphere "

Table 16 - the composition of the faculty of the Department of accredited SP

	Каф. «TFPPIB»	Каф. «CPM»	Каф. «LS»
Doctors of Science	1	4	1
- including those with the academic title of professor (HAC)	1	4	1
PhDs	6	5	3
- including those with the academic title of associate professor (HAC)	4	3	3
Dr. PhD	1	1	2
masters	4	8	4
No degree	1	-	-
Graduation,%	47	55,5	60,0
Average age, years	53	50,5	48,5
Total	**13**	**18**	**10**

At the same time, EEC experts note the need for additional involvement in the implementation of SP 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere" of specialists with basic education and relevant qualification characteristics of the leaders of master's theses for students.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. The leadership of the SP to develop regulatory requirements for the use of teaching staff of information and communication technologies in the educational process, including online training, MEP, video lectures, etc.

2. Include indicative indicators and implement items on PPP publications in journals with impact factor, as well as in journals included in the CCIS list, PPP participation in international projects and grant programs in the work plans of the departments.

Additional recommendations for the SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), According to SP 6B11201 "Life safety in the technosphere", 7M11211 "Safety of life in the technosphere":

3. To the management of SP 6B11201 / 7M11211 "Life Safety in the Technosphere" to bring into compliance with regulatory requirements the presence of full-time faculty with basic education that implement accredited SP. Particular attention should be paid to the percentage of graduation and the qualitative composition of faculty, including graduation, in accordance with the qualification requirements of the leaders of master's theses of students.

EEC findings:

According to the standard "Teaching staff and the effectiveness of teaching" 12 criteria are disclosed, *of which 10 have a satisfactory position and 2 suggest improvement.*

6.8. Standard "Educational Resources and Student Support Systems"

✓ *SP management must demonstrate the adequacy of material and technical resources and infrastructure.*

✓ *SP management should demonstrate the existence of support procedures for various groups of students, including information and counseling.*

✓ *SP management must demonstrate compliance of information resources with the specifics of SP, including compliance with:*

✓ *technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);*

✓ *library resources, including a fund of educational, methodological and scientific literature on general education, basic and majors in paper and electronic media, periodicals, access to scientific databases;*

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

✓ *access to educational Internet resources;*

✓ *WI-FI functioning in the territory of the educational organization.*

✓ *The university should strive to ensure that the educational equipment and software used to master educational programs are similar to those used in the relevant industries.*

✓ *The university must ensure compliance with safety requirements in the learning process.*

✓ *The university should strive to take into account the needs of various groups of students in the context of SP (adults, workers, foreign students, as well as students with disabilities).*

Evidence part

The university has 14 educational and laboratory buildings with a total area of 73924.4 sq.m., 2 dormitories for 680 beds and 155 laboratories equipped with equipment and measuring instruments. There are libraries with a total area of 3,721.1 m2. There are first-aid posts at the university, there are sports facilities, a youth palace for organizing

students' leisure activities, the Jasorken sports and health camp, canteens, cafes and buffets. The educational process uses 85 interactive whiteboards, 1852 modern computers with Internet access. Also, the university created support services for students, introduced units of advisers and curators.

For the effective organization of educational and scientific activities, the university has an extensive classroom fund, there are research institutes and centers where students receive knowledge, abilities and skills in research work. The areas of the main educational premises are adopted in accordance with the requirements of ST RK 1158-2002, SN RK 3.02-07-2014 Public buildings and structures. The university is provided with drinking and industrial water, thermal and electric energy, and telephone communications centrally. All engineering networks comply with the requirements of SP RK 4.02-101-2012 Heating, ventilation and air conditioning, SP RK 3.05-101-2013 Trunk pipelines.

For the organization of the educational process, research work on accredited academic degrees and the creation of appropriate conditions in the areas of bachelor's and postgraduate professional education (master) teaching staff use the following resources:

To organize the educational process, research work on accredited educational programs and create appropriate conditions in the areas of bachelor's and postgraduate professional education (master's) teaching staff use laboratories and specialized classrooms, for example, in the Department of Construction and Materials Production - audience “Building Structures” (practical training) has an area of 36 m2, is an interactive class, "Center of chemical technologies named after S. Suleimenov" for laboratory ator work area - 48 m2, has the necessary equipment for training sessions;

In the department of "Life Safety" - the audience "Civil Defense" - conducting classes in special disciplines, has an area of 48 m2, is an interactive class, the Laboratory "Safety in the technosphere" - for conducting classes in special disciplines with an area of 64 m2 - has a set of standard laboratory equipment "Electrical safety in electrical installations up to 1000V" EBEU2-NR, etc .;

In the department "Technology of food products, processing industries and biotechnology" - laboratory "Technological processes and equipment of the industry", area - 50 m2 there is a computer, research laboratory "Nanoengineering research methods", Physico-chemical methods of analysis of grain and grain products area - 32.2 m2 .

Each specialized cabinet has a cabinet passport and is equipped with safety instructions. A journal is kept of the work of teachers and students in specialized classrooms. At the beginning of the school year, the head of the laboratory conducts an introductory briefing for 1st year students on the rules for using these rooms. Laboratories are equipped at a sufficient level.

On the basis of the university, laboratory equipment is used to implement accredited SP: for SP 6B07215 “Food Technology”, for SP 7M07218 “Food Technology” (prof.) More than 19 units, for SP 6B07320 “Production of concrete and ceramic materials, 7M07313“ Modern building materials - more than 25 items, for SP 6B11201 / 7M11211 “Life safety in the technosphere - 7 units.

The departments of accredited SPs have approved procurement plans for the purchase of equipment for the implementation of SP: in the Department of Construction and Materials Production for a total of 9.1 million tenge, Life Safety for a total of 2.3 million tenge.

In addition, students of accredited SPs have the opportunity to acquire practical skills at the branches of the departments of partner organizations:

Table 17 - the Organization of the educational process and research activities at the branches of departments of partner enterprises.

Organization	SP	The incorporated modules, disciplines, course, semester
Department "Construction and production of materials		
LLP "Laboratory of road construction and fuels and lubricants", No. 38 dated 04/11/2019 (from 2019 to 2023)	5B / 6M073000 - CPM 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials"	*for undergraduate Building materials (1 course, 2 semester), Quality control of building materials (4 year, 7 semester) for magistracy Multiphase gypsum binders (1 semester, 1 course), Modern high-strength concrete (2 semester, 1 course)*
Department "Technology of food products, processing industries and biotechnology"		
Bersanukaev I. LLP 09/30/2019	6B07215 - Food technology	M4 - "Green skills" in food production, Technology of meat and meat products - 2 year, 4 semester.
Department of Life Safety		
Republican state institution "Department of Ecology in the Zhambyl region of the Committee for Environmental Regulation and Control of the Ministry of Energy of the Republic of Kazakhstan" No. 171 from 04/29/2019 to 04/29. 2021	6B11201 / 7M11211– "Life safety in the technosphere"	*Bachelor's degree in Environmental Monitoring (4 year, 3 credit, 7 semester), "Harmful substances in industry" (1 course, 5 credit, 1 semester), magistracy practical lesson "Life Safety System and Environmental Protection" (2 year, 3 credit, 3 semester*

For professional training of students there are cooperation agreements with the following educational enterprises and organizations: For professional training of students there are cooperation agreements, for example, according to SP 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" Chemical Technology Center - LLP Agrospetsstroy "Contract dated January 10, 2018 to December 31, 2022, under SP 6B07215 TPP LLP Burnensky Dairy Company agreement dated October 2, 2017. for 5 years, 6B11201 "Life safety in the technosphere" 7M11211 "Life safety in the technosphere" Branch of the state institution "Kazselzashchita" CoES of the Ministry of Internal Affairs of the Republic of Kazakhstan Agreement dated 11/23/2015 - 12/25/2020

Table 18 - Organization of the passage of professional practices for students of accredited SPs for the period 2019 -2020.

SP	Organization
2019	
6B07320 "Production of concrete and ceramic materials" 7M07313 "Modern building materials"	a. Center for Chemical Technology, b. Agrospetsstroy LLP
6B11201 / 7M11211 "Life safety in the technosphere"	1. Branch of RSE "Kazhydromet" in Zhambyl region
	2. Branch of the state institution "Kazselzashchita" CoES Ministry of Internal Affairs of the Republic of Kazakhstan
	3. LLP "Kazakh Scientific Research Institute of Water Hobby"
	4. Department of Emergency Situations of the Zhambyl Region of the Ministry of Emergencies of the Republic of Kazakhstan

	5. Firefighting and emergency rescue service of emergency situations department in ZhO
	6. "Department of Ecology in the Zhambyl region of the Committee for Environmental Regulation and Control of the Ministry of Energy of the Republic of Kazakhstan"
	1. Taraz Stroy Drev LLP

The university organized a unified system of library and information services, the purchase of educational and methodical literature at the request of the department, constantly updating the literature. The university subscribes to EBSIPRbooks and RIDL (Republican Interuniversity Digital Library). The stock of premium versions of ELS IPRbooks is 39082 copies. electronic resources, 645 titles of journals. EBR IPRbooks contains over 2000 audio and video collections. The RIDL fund is 76591 copies. electronic resources, including 28138 titles of magazines.

SP students have free access to Internet resources and an electronic library. In the reading rooms, students have the opportunity to study from 9 to 18 hours. The list of written periodicals is formed on the basis of applications from the department and fully meets the information needs of faculty and students. Money is annually allocated for the acquisition of the library fund.

Table 19 - Information about the library resources of the university, in the context of accredited SP

№	Name of indicator	Indicator
1	Total number of seats in the library, including computer classes	900 seat
2	The total number of copies of educational, methodological and scientific literature in the library for students of SP over the past 10 years 6B07215 Technology of food products 7M07218 Technology of food products 6B07320 Production of concrete and ceramic materials 7M07313 Modern building materials 6B11201 Life safety in the technosphere 7M11211 Life safety in the technosphere	150 184 ind. 4512 ind. 7079 ind. 20273 ind.
3	Funds spent 2019 on the acquisition of traditional periodicals for all accredited SPs Of these, the funds spent on the following SP: 6B07215 Technology of food products 7M07218 Technology of food products 6B07320 Production of concrete and ceramic materials 7M07313 Modern building materials 6B11201 Life safety in the technosphere 7M11211 Life safety in the technosphere	6 000 000 tenge 520878 tenge 228930 tenge 216452 tenge

4	Book supply for 1 student of the reduced contingent of SP	160 units

№	Books on SP	RIDL	IPRbooks	Ecat.tarsu	Total
1	6B07215- 6B07215-Technology of food products	295	175	203	673
	7M07215- 6B07215-Technology of food products				
2	6B073020- Production of concrete and ceramic materials	107	121	52	280
3	7M07313 Modern building materials	443	113	456	1012
4	6B11201 Life safety in the technosphere	144	228	117	489
	7M11211 Life safety in the technosphere				

№	SP magazines	IPRbooks	Lan	Total
1.	6B073020 - Production of concrete and ceramic materials	2	-	2
2.	7M07313 - Modern building materials	29	-	29
3.	6B11201 - Life safety in the technosphere	-	3	3
4.	6B07215- Technology of food products		20	20

The buildings contain the necessary number of access points for high-quality network coverage. In an interview with students, 2 clusters also received confirmation of the full coverage of the broadcast area of the WI-FI network in the university and student dormitories, which confirms the provision of high-speed Internet to all students, teachers and employees of the university.

Since 2011, the university has created conditions for training within the framework of academic mobility of students, which are divided into external and internal. Currently, TarSU has agreements for students' academic mobility with other universities of the Republic of Kazakhstan, such as Karaganda State Technical University, Kazakh National Research Technical University named after K.I. Satpayev, Eurasian Humanitarian Institute and Almaty Technological University, etc.

There are also agreements on cooperation with foreign universities.

The reliability of the final works, master's theses, research results presented by faculty in monographs, scientific articles and reports is evaluated by checking them for plagiarism according to the Anti-Plagiarism system. There is an agreement with Plagiat.ru on the provision of services. Research reports on doctoral dissertations and monographs are subjected to external verification through JSC "NTsNTE".

The university provides support to socially disadvantaged students (orphans and children left without parental care, students with disabilities). For this category of students, social support mechanisms have been created, including free accommodation in a dormitory, benefits for paying for tuition (by the decision of the Academic Council), material assistance. In order to meet the requirements of working students, foreign students, as well as students with disabilities, distance-educational learning technology is being implemented.

Analytical part

In order to ensure access to higher education in educational programs for people with disabilities and persons with disabilities, the university provides the following opportunities: at the request of students, individual curricula are formed and schedules

for studying the subjects are drawn up; individual lessons are provided, including distance consultations with teachers; programs are adapted to the schedule of studying the discipline of the student; electronic learning resources are actively used (video lectures, virtual laboratory work); boundary and current controls are carried out in the form of testing with remote access; a specialized psychological audience is equipped for individual work with a student with a disability. In the academic year 2017-2018, a specialized office located on the ground floor of the 1st building of the university, equipped in accordance with the requirements for facilities for people with disabilities, is connected to the classroom fund used during the classes and during the session at the request of students.

However, the EEC Commission notes the need to continue focused work to ensure conditions for the education of people with disabilities, including the development of a version of the university's website for people with visual impairments. There is also a problem in the presence and organization of the development and recording of video lectures, virtual laboratory work, online training, modeling, compiling a database, data analysis during the implementation of SP 7M07218 "Food Technology".

The university's web portal contains information on the sections: education, science, university entrants, library, university life, specialties, faculties and departments. On the site you can get information about the academic program: scientific activities, international cooperation, brief information about faculty, QED, MOS, etc. However, the modular educational programs of accredited specialties, attached to the university's website in the public domain, are not updated systemically, attached versions of different formats (pdf, word, approved, not approved) Specialties of undergraduate and graduate courses are presented in the old list. http://www.tarsu.kz/ru/specialnosti-dlya-bakalavriata.html, http://www.tarsu.kz/ru/specialnosti-magistratury.html. For many tabs on the site information is not relevant.

The EEC Commission notes that at the time of the EEC's visit to implement SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), The department presented only 6 contracts with enterprises for professional practices, which is not enough for a full choice of location passing the practice of undergraduate and graduate students. It was also noted that the quality of the conditions of the basic facilities for the practice does not meet the requirements.

The organization of internships by undergraduates of the accredited SP 7M07218 "Food Technology" (prof.), 7M11211 "Life Safety in the Technosphere" was set at a weak level, which confirms the absence of an agreement on internships and interviews with students and graduates at the department.

The material and technical base of the department "Technology of food products, processing industries and biotechnology" and the university, in particular the engineering research laboratory "Nanoengineering research methods" named after A.S. Akhmetova (specialized laboratory processing and food profile is accredited), meet the requirements of the Standard. However, the department has specialized laboratories, computer equipment and software that require updates on the SP "Food Technology".

In accordance with the standard curriculum for the specialty 5B073100-Life safety and environmental protection, laboratory classes are provided for the discipline "Labor Protection", therefore, for bachelors in 2017, 2018, admission must be updated on the material and technical base by equipping with modern instruments and equipment in the discipline of Labor Protection because Labor protection for specialty 5B073100 - Life safety and environmental protection is a basic discipline.

The university has created a fund of educational, methodological and scientific literature on general education, basic and major disciplines of educational programs on paper and electronic media; Updatability of literature funds in accordance with the rules

defined by qualification requirements for licensing. However, the commission of the EEC notes that in the university the work on the publication of UML in English has been insufficiently set.

Questioning of students showed positive data on the provision of educational materials in the learning process (94%), financial and administrative services of an educational institution (93%), accessibility of health services (87%), accessibility of library resources (96%), existing educational resources of a university (95%). However, during interviews with students, complaints were voiced about the difficulty of obtaining good nutrition during classes in the technological building due to lack of places during the break due to the large number of students. There was also a proposal to install litter boxes in the university buildings.

Strengths / best practices for accredited EPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. Organize work on the installation of guiding markings and colorographic signs and signs for visually impaired students and staff, the installation of garbage bins in the university buildings. Develop a version of the university website for the visually impaired.

2. In accordance with the regulations on the site, the supervising structural unit should start work on the site's population, with the development of uniform requirements and forms for the persons responsible for submitting information.

3. The leadership of the university to consider the possibility of increasing the area for organizing meals for students in the Technological building, installing garbage bins in the university buildings.

4. The management of the SP should be included in the work plan of the department and faculty for 2020-2023. a number of activities to develop a plan for the publication of educational and methodological literature in English and begin to implement it.

Additional recommendations for the SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.), 6B11201 "Safety of life in the technosphere", 7M11211 "Safety of life in the technosphere":

5. The management of the SP to analyze the available material and technical resources for compliance with the established goals for the implementation of the SP, based on which to develop a plan for the purchase of the necessary equipment for the period 2020-2023, develop a plan and begin focused work on the implementation of the dual training system on the basis of partner enterprises .

- 7M07218 "Technology of food products" (prof.), 7M11211 "Life safety in the technosphere":

6. SP management to ensure the passage of scientific internships at enterprises corresponding to the specifics of educational programs and topics of master's projects.

- 7M07218 "Technology of food products":

7. The leadership of the university to provide technological support to students and faculty with modern information resources on the profile of the SP (online training, database modeling, etc.).

EEC findings:

According to the standard "Educational resources and student support systems" 10 criteria are disclosed, of which according to the SP:

- 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials" have a 10 satisfactory position;

- 6B07215 "Technology of food products", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere" have 9 satisfactory position and 1 needs improvement;

- 7M07218 "Food Technology" (prof.) 8 satisfactory position and 2 require improvement.

6.9. Standard "Public Information"

✓ The information published by the university within the framework of the SP should be accurate, objective, relevant and should include:

• ongoing programs, indicating expected learning outcomes;
• information on the possibility of qualification at the end of the SP;
• information on teaching, training, assessment procedures;
• information on passing grades and training opportunities provided to students;
• Information on employment opportunities for graduates.

✓ SP management should use a variety of methods of disseminating information, including the media, information networks to inform the general public and interested parties.

✓ Public awareness should include support and clarification of national development programs of the country and the system of higher and postgraduate education.

✓ The university should publish audited financial statements on its own web resource, including in the context of SP.

✓ The university should demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of educational programs.

✓ An important factor is the availability of adequate and objective information about the faculty of teaching education, in terms of personalities.

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

✓ The university should post information and links to external resources based on the results of external evaluation procedures.

✓ An important factor is the participation of the university and implemented SPs in various external assessment procedures.

Evidence part

In order to inform the public and all interested parties, the policies of the departments are aimed at constantly providing students with the highest quality educational services through their continuous improvement, through the introduction of innovative technologies in the educational process and effective feedback from students and staff.

Faculty and university students, systematically informs the general public about the activities of M.Kh.DulatY TarSU, including the department "Construction and production of materials" through the following forms: official website of the university www.tarsu.kz; publications http: //mit.zhambyl.kzиtis-kz@mail.ru in the republican, regional and city / trade union mass media; have access to domestic, Russian and world databases: www.kazneb.kz, www.rmebrk.kz, http://www.springerlink.com, elibrary.ru; distance learning information system www.cde.tarsu.kz. library Internet resource with access to the electronic library www.lib.tarsu.kz; portal www.or.tarsu.kz provides personal information about the educational trajectory of the student. Information kiosks are installed in all educational buildings of the university to quickly obtain information about academic performance, and for access to the official Internet resources of the university. Information search in the electronic library catalog http://ecat.tarsu.kz can also be carried out from remote computers connected to the Internet.

All electronic publications comply with modern requirements, which makes it possible to work on the Internet and on the corporate network.

The university's website provides its readers with the necessary information in a timely manner, and the website is useful and serves everyone when searching for information. On the site you can find information about the departments "Construction

and Production of Materials", "Life Safety", "Technology of Food Products, Processing Industries and Biotechnologies", where you can get information about the history and composition of the departments, about scientific work, about the cooperation of the departments with the university - international and international scientific centers, there is also information about the goals of educational programs 6B07320 - "Production of concrete and ceramic materials", 7M07313 - "Modern building materials"; 7M07218 / 6B07215 - Technology of food products; 5B / 6M073100 - Life safety and environmental protection.

Assessment of satisfaction with information on the activities of the university, the specifics and progress of the implementation of the SP is carried out annually by means of questionnaires, surveys, feedback, and also through the rector's blog. Information on employment opportunities for graduates of SP is available on the website. As an effective means of informing the public, to create the image of an open educational institution, various media resources are used, press conferences, briefings are held, business contacts with newspaper, magazine, radio, television are activated.

For the real positioning of TarSU as a leading university in the country, in addition to traditional resources, image information is used (presentation by the rector (annual reports), leading teachers on television, placement of articles of NDEP informing the general public through interaction with the media, open days, job fairs, meetings of graduates , career guidance events.Publication of materials about all the important events taking place in the life of the university takes place through the website, newspaper of the university, and is also covered in republican and regional newspapers and television.The total circulation of the newspaper "For Polytechnical Knowledge", produced at the university, is 350 copies.

The university's official page operates on a social network: VKontakte (https://vk.com/tarmu_media), Facebook (https://wweb.facebook.com/pages/TarSU-im-Dulati/612537105602640), Instagram (https: / /www.instagram.com/tarmu_official/), etc.

A survey of students conducted during the visit of the EEC IAAR showed that satisfaction with the usefulness of the university's website and informing students about courses, academic programs and academic degrees is 97 and 96%.

Analytical part

An analysis of the information presented on the university's website showed that the University publishes complete and reliable information about its activities, the rules for admission of applicants, educational programs, the timing and form of training, contact and other information useful for applicants and students. At the same time, there is insufficient information in the press and television about the activities and updating of the SP, and objective information about the teaching staff of the accredited SP in terms of personalities is also not provided.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. Post on the website more complete information about the implemented SPs (QEDs with a description of the disciplines and the number of credits, SYLLABUS, etc.), with the attachment of the MPS accredited SPs, as well as full information about the

teaching staff (research direction, taught disciplines, work experience, major scientific papers, etc.).

EEC findings:

According to the standard "Public awareness" 13 criteria are disclosed, of which 11 have a satisfactory position and 2 require improvement.

6.10 Standard "Standards in the context of individual specialties"

NATURAL SCIENCES, TECHNICAL SCIENCES, AND TECHNOLOGIES

Evidence part

Departments of accredited SP M.Kh.Dulaty Taraz State University in order to meet the needs of the labor market provide comprehensive training for specialists and masters. Educational programs for the preparation of bachelors and masters are a system of documents developed on the basis of standards and approved by M.Kh.Dulaty Taraz State University independently, taking into account market requirements.

The teaching staff of accredited SPs involved in the education program includes full-time teachers with long work experience, are full-time employees at enterprises in the field of specialization of educational programs.

For instance:

- The teaching staff of the department "Construction and production of materials": associate professor Usenbaev B.U. - Director of Bolzham LLP; Senior Lecturer Karabaev N.T. - Chief Engineer of Bolzham LLP; Professor Alimbaev B.A. - Director of Ulan-Theory LLP; Associate Professor Eskermesov J.E. - expert of Ulan-Theory LLP; Associate Professor Moldamuratov Zh.N. - Design Engineer Taraz Arkon LLP.

- The teaching staff of the department "Life Safety": Nazarbekov Zh.K. - Republican State Institution "Department of Ecology in the Zhambyl Region of the Committee for Environmental Regulation and Control of the Ministry of Energy of the Republic of Kazakhstan", Head of the Laboratory Analytical Control Department.

- The teaching staff of the Department of TFPPIB: Mateeva Sulushash Ziyatbekovna - Director of LF Company LLP.

After studying the MOS of accredited SP, the EEC Commission noted that the content of all disciplines of the SP is based and includes a relationship with the content of fundamental natural sciences, such as mathematics, chemistry, physics.

Analytical part

In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, accredited educational programs 6B07215 / 7M07218 "Food Technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 " Modern building materials ", 6B11201 / 7M11211“ Life safety in the technosphere ”contain disciplines and activities aimed at gaining practical experience and skills in special and in general, and in particular majors. However, the EEC Commission noted the lack of information on SP 7M07218 "Food Technology" (1 prof.) About the targeted actions of the SP management, which was also confirmed in the process of interviewing employers on conducting excursions to enterprises and organizations in the field of specialization, on conducting individual classes or whole disciplines in enterprises, on conducting seminars to solve practical problems relevant to enterprises.

The management of accredited SPs provide measures to strengthen practical training in the field of specialization, which is confirmed by the information in the standard "Educational resources and student support systems", a conversation with students and visits to practice bases and the branch of the department. However, interviews with students, graduates and employers of accredited SPs and insufficient practical orientation of disciplines indicate the lack of focused work to strengthen and ensure the acquisition of practical skills of students.

The manual SP 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials” provides training for students in the application of modern information technologies. When studying specialized disciplines in the educational process, the virtual laboratory "Building Materials" is used. The programs “AutoCAD”, “LIRA SAPR”, “SCAD”, “ArchiCAD”, “Estimated system ABC” are also being studied.

However, attending classes of accredited SP 6B07215 / 7M07218 “Food Technology” (prof.) And 6B11201 / 7M11211 “Life Safety in the Technosphere”, interviews with students indicate the dSPartment’s weak development in the field of using modern ICT in the educational process.

Also, at a meeting with employers and graduates of SP 6B07320 “Production of concrete and ceramic materials”, a wish was voiced to strengthen the training of students in the study of estimated programs.

Strengths / best practices for accredited SPs have not been identified.

EEC recommendations for SP 6B07215 Technology of food products, 7M07218 Technology of food products (prof.), 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere:

1. Strengthen the practice-oriented accredited educational programs, taking into account the requirements of the labor market and professional associations of employers by increasing the time allocated to industrial practice on the basis of enterprises and organizations, conducting practical and laboratory classes on the basis of branches of departments, starting from the 2nd year of training, conducting excursions, seminars and round tables with representatives from the production, with the inclusion of current issues in the topics of master's projects.

2. To provide, within the framework of accredited SP, teaching based on the modern achievements of science and practice in the field of modern information technologies.

Additional recommendation for SP:

- 6B07320 "Production of concrete and ceramic materials":

3. To the management of SP 6B07320 “Production of concrete and ceramic materials” for students enrolled in 2019, consider the possibility of increasing loans for disciplines in the study of estimated programs.

EEC findings:

According to the standard "Standards by Specialty" 5 criteria are disclosed, of which according to the SP

- 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials” have a 5 satisfactory position;

- 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere" have 3 satisfactory position and 2 require improvement;

- 7M07218 “Food Technology” (prof.) Have 2 satisfactory positions and 3 require improvement.

(VII) OVERVIEW OF STRENGTHS / BEST PRACTICE BY EACH STANDARD

Standard "Management of the educational program"
Not observed

Standard "Information Management and Reporting"
Not observed

Standard "Development and approval of educational programs"
- The qualifications obtained upon completion of the accredited EP are clearly defined, explained and correspond to the levels of the NSQ.

Standard "Continuous monitoring and periodic evaluation of educational programs"
Not observed

Standard "Student-centered Learning, Teaching and Assessment"
Not observed

Standard "Learners"
Not observed

Standard "Academic staff"
Not observed

Standard "Educational Resources and Student Support Systems"
Not observed

Standard Public Awareness
Not observed

Standards in the context of individual specialties
Not observed

(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS BY EACH STANDARD

Standard "Management of the educational program"

EEC recommendations for SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. To revise the development plans of the SP taking into account the levels of training and the specifics of the SP. To the formation and monitoring of the implementation of the development plans of the SP, also involve students, representatives of the public and the business community with the reflection of proposals, results of discussions in the protocols of departments, the Academic Council, etc. Ensure the preparation of external reviews of development plans for the SP.

2. In accordance with the Development Program of M.Kh.Dulaty Taraz State University for 2019-2022 in the development plans for accredited SPs, include a section describing possible risks in the implementation of accredited SPs, indicating the names of risks, possible consequences in case of non-adoption and (or) timely response measures, as well as a description of risk management mechanisms and measures.

3. The management of the SP in the self-assessment documents should reflect the description of the progress achieved in implementing the recommendations received as a result of the previous accreditation procedure.

Additional recommendations of the EEC for SP 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere":

4. Provide training for the management of SP 6B07215 / 7M07218 "Technology of food products" (profile). 6B11201 / 7M11211 "Life safety in the technosphere" according to management programs in education.

5. When developing educational programs 6B07215 / 7M07218 "Food Technology" (profile), 6B11201 / 7M11211 "Life Safety in the Technosphere", as well as their implementation, consider and include in the content of the modules the results of scientific and innovative activities of teaching staff of departments

Additional recommendations of the EEC for 7M07218 "Food Technology":

6. To the management of SP 7M07218 "Food Technology" (profile) to develop a Development Plan with the participation of all interested parties in accordance with the university's development program and posting the development plan in the public domain on the university's website, to ensure annual monitoring of the implementation of the SP with a description of the achievement of goals and their assessment in the reports and protocols of the department.

Standard "Information Management and Reporting"

EEC recommendations on SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. The supervising structural unit of the university with the leadership of SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 / 7M11211 "Life safety in technosphere "to systematically analyze the results of the survey

with the development of a plan of corrective actions in the context of SP and ensuring control over their implementation, as well as taking into account factors of the external and internal environment, carried out be corrective and preventive actions to continually improve the SP.

Standard "Development and approval of educational programs"

EEC recommendations for SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. To conduct a deeper analysis of the content of educational programs, to develop joint SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 / 7M11211 "Life safety in the technosphere" with partner universities and begin to implement them.

Additional recommendations of the EEC for SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere":

2. Guide SP 6B07215 "Food Technology", 6B11201 "Life Safety in the Technosphere" to begin focused work on organizing the preparation of students for professional certification in SP.

Additional recommendations of the EEC for SP 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.):

3. When forming the SP, take into account the influence of the content of academic disciplines and professional practices on the learning outcomes, use different types of training and assess learning outcomes of the competency-based SP model. To exclude the designation "Fundamentals ..." in the content of master's disciplines, the repetition of the content of special bachelor's disciplines, without violating the requirements of pre- and post-requisites in the specialties.

4. In order to ensure the possibility of choice for students, SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.) To develop alternative paths for educational programs.

Standard "Continuous monitoring and periodic evaluation of educational programs"

EEC recommendations on SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. To publish all changes in the MOS on the university website for interested persons.

Additional recommendation of EEC on SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere":

2. To create a working group on monitoring the internal content of the teaching materials for compliance with the relevance and modern requirements of the production activities of graduates, employers and the labor market, and based on the monitoring

results, review materials that are inappropriate for the content and reflect the data in the minutes of the department meetings.

3. Ensure that the content of the disciplines SP 6B07215 / 7M07218 “Food Technology” (prof.), 7M11211 “Life Safety in the Technosphere” is updated with the latest science, technology and innovations in these areas.

Standard "Student-centered Learning, Teaching and Assessment"

EEC recommendations on SP 6B07215 “Food technology”, 7M07218 “Food technology” (prof.), 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials”, 6B11201 “Life safety in the technosphere”, 7M11211 “Life safety in the technosphere ":

1. To annually monitor the teaching of specialized disciplines in order to improve the quality of teaching. Making suggestions on the introduction of new teaching methods should be reflected in the minutes of chair meetings.

2. To analyze the available certificates of professional development of teaching staff, existing contractual and initiative research in the departments in order to include the acquired competencies and the results of research in the conduct of specialized disciplines. The analysis data and measures taken are reflected in the protocols of the departments.

3. After the end of the semester, conduct monitoring and analysis of the effectiveness and impact of the use of various forms and methods of teaching in the educational process, own research in the field of teaching methods, as well as the participation of students in research on the achievement of the planned learning outcomes and student performance. "

Additional recommendation for SP:

- 6B07215 "Technology of food products", 7M07218 "Technology of food products" (prof.):

4. The management of SP 6B07215 / 7M07218 "Food Technology" to make specific indicators in the work plans of the department to publish their own publications in 3 languages.

Standard "Learners"

EEC recommendations on SP 6B07215 “Food technology”, 7M07218 “Food technology” (prof.), 6B07320 “Production of concrete and ceramic materials”, 7M07313 “Modern building materials”, 6B11201 “Life safety in the technosphere”, 7M11211 “Life safety in the technosphere ":

1. To the SP management, in accordance with the university development program for 2019-2020, in the development plans of accredited SPs, include specific indicative indicators for the selection of students, including on a contractual basis, and begin to implement them, with the development and implementation of a career guidance plan work.

2. In accordance with the university development program for 2019-2020. (Clause 9, Clauses 26, 27, 28) to the SP management to include indicative indicators in the plans for the development of educational programs, in the work plans of the departments and implement the points: “participation of students in the program“ external and internal academic mobility ”,“ participation of teaching staff in the program “external academic mobility”, “participation of students in competitions for obtaining external grants for training”, “increase in the number of students in English”.

3. The leadership of the university to update the activities of the Alumni Association.

4. The management of the SP annually develop and implement a plan for attracting students to research and participate in competitions for grant financing of the Ministry of Education and Science of the Republic of Kazakhstan, the World Bank, social projects, competitions of the Fund of the First President of the Republic of Kazakhstan, Erasmus, Tempus programs, etc.

Additional recommendations of EEC on 7M07218 "Technology of food products" (prof.):

5. The management of the SP to analyze existing agreements on cooperation with partner organizations in order to exclude enterprises that are not related to the professional activities of graduates of masters in the field. Consider options for concluding cooperation agreements with enterprises for internships and internships, as well as conducting R&D of potential undergraduates, with a view to the possibility of their further employment in the field of study.

Standard "Academic staff"

EEC recommendations on SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. The leadership of the SP to develop regulatory requirements for the use of teaching staff of information and communication technologies in the educational process, including online training, MEP, video lectures, etc.

2. Include indicative indicators and implement items on PPP publications in journals with impact factor, as well as in journals included in the CCIS list, PPP participation in international projects and grant programs in the work plans of the departments.

Additional recommendation of EEC on SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere":

3. To the management of SP 6B11201 / 7M11211 "Life Safety in the Technosphere" to bring into compliance with regulatory requirements the presence of full-time faculty with basic education that implement accredited SP. Particular attention should be paid to the percentage of graduation and the qualitative composition of faculty, including graduation, in accordance with the qualification requirements of the leaders of master's theses of students.

Standard "Educational Resources and Student Support Systems"

EEC recommendations on SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. Organize work on the installation of guiding markings and colorographic signs and signs for visually impaired students and staff, the installation of garbage bins in the university buildings. Develop a version of the university website for the visually impaired.

2. In accordance with the regulations on the site, the supervising structural unit should start work on the site's population, with the development of uniform requirements and forms for the persons responsible for submitting information.

3. The leadership of the university to consider the possibility of increasing the area for organizing meals for students in the Technological building, installing garbage bins in the university buildings.

4. The management of the SP should be included in the work plan of the department and faculty for 2020-2023. a number of activities to develop a plan for the publication of educational and methodological literature in English and begin to implement it.

Additional recommendations of the EEC on SP 7M07218 "Food Technology" (prof.), 7M11211 "Life Safety in the Technosphere":

5. The management of the SP to analyze the available material and technical resources for compliance with the established goals for the implementation of the SP, based on which to develop a plan for the purchase of the necessary equipment for the period 2020-2023, develop a plan and begin focused work on the implementation of the dual training system on the basis of partner enterprises .

Additional recommendations of the EEC on SP 7M07218 "Food Technology" (prof), 7M11211 "Life Safety in the Technosphere":

6. SP management to ensure the passage of scientific internships at enterprises corresponding to the specifics of educational programs and topics of master's projects.

Additional recommendations of the EEC on SP 7M07218 "Technology of food products":

7. The leadership of the university to provide technological support to students and faculty with modern information resources on the profile of the SP (online training, database modeling, etc.).

Standard "Public Information"

EEC recommendations on SP 6B07215 "Food technology", 7M07218 "Food technology" (prof.), 6B07320 "Production of concrete and ceramic materials", 7M07313 "Modern building materials", 6B11201 "Life safety in the technosphere", 7M11211 "Life safety in the technosphere ":

1. Post on the website more complete information about the implemented SPs (QEDs with a description of the disciplines and the number of credits, SYLLABUS, etc.), with the attachment of the MPS accredited SPs, as well as full information about the teaching staff (research direction, taught disciplines, work experience, major scientific papers, etc.).

Standards in the context of individual specialties

EEC recommendations on SP 6B07215 "Food Technology", 7M07218 "Food Technology" (prof.), 6B11201 "Life Safety in the Technosphere", 7M11211 "Life Safety in the Technosphere":

1. Strengthen the practice-oriented accredited educational programs, taking into account the requirements of the labor market and professional associations of employers by increasing the time allocated to industrial practice on the basis of enterprises and organizations, conducting practical and laboratory classes at the departments of the departments starting from the 2nd year of study, conducting excursions, seminars and round tables with representatives from the production, with the inclusion of current issues in the topics of master's projects.

2. To provide, within the framework of accredited SP, teaching based on the modern achievements of science and practice in the field of modern information technologies.

Additional recommendation of EEC on SP 6B07320 "Production of concrete and ceramic materials":

3. To the management of SP 6B07320 “Production of concrete and ceramic materials” for students enrolled in 2019, consider the possibility of increasing loans for disciplines in the study of estimated programs.

(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATION

(These recommendations do not apply to measures to improve quality and compliance with IAAR standards)

- Harmonization of the contents of the university's SP with foreign educational organizations, focused work on the development of joint educational programs with partner universities.
- The development of international relations with foreign educational organizations with the involvement of all interested parties, including employers.
- Development of a university's PR-management strategy in order to enhance competitiveness in the educational services market.

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" for SP 6B07320 Production of concrete and ceramic materials, 7M07313 Modern building materials

№	№	Criteria for evaluation	Education Organization Position			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1.	The university must have a published quality assurance policy.		+		
2	2.	Quality assurance policies should reflect the link between research, teaching and learning.		+		
3	3.	The university should demonstrate the development of a culture of quality assurance, including in the context of SP.		+		
4	4.	A commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including in the implementation of joint / double degree education and academic mobility.		+		
5	5.	The SP management ensures transparency in the development of the SP development plan based on an analysis of its functioning, the actual positioning of the university and its focus on meeting the needs of the state, employers, interested individuals and students.		+		
6	6.	SP management demonstrates the functioning of the mechanisms for forming and regularly reviewing the SP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continual improvement of SP.		+		
7	7.	SP management should involve representatives of stakeholder groups, including employers, students and faculty members, in the formation of the SP development plan.			+	
8	8.	SP management must demonstrate the individuality and uniqueness of the SP development plan, its consistency with national development priorities and the development strategy of the educational organization.			+	
9	9.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the SP, an unambiguous distribution of the duties of the staff, and delimitation of the functions of collegial bodies.		+		
10	10.	SP management must provide evidence of the transparency of the educational program management system.		+		
11	11.	SP management must demonstrate the successful functioning of the internal quality assurance system of the SP, including its design, management and monitoring, their improvement, and decision-making based on facts.		+		
12	12.	SP management must manage risk.			+	
13	13.	SP management should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies of the educational program management, as well as their representativeness in making decisions on educational program management.		+		
14	14.	The university should demonstrate innovation management in the		+		

		framework of the SP, including the analysis and implementation of innovative proposals.				
15	15.	SP management should demonstrate evidence of openness and accessibility for students, faculty, employers and other interested parties.		**+**		
16	16.	SP management must be trained in education management programs.		**+**		
17	17.	SP management should strive to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.		**+**		
Total on standard				**14**	**3**	
Standard "Information Management and Reporting"						
18	1.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.		+		
19	2.	SP management must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	3.	Within the framework of SP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, and scientific research.		+		
21	4.	The university should establish the frequency, forms and methods of evaluating the management of SP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.		+		
22	5.	The university should demonstrate the definition of the order and ensuring the protection of information, including the definition of responsible persons for the accuracy and timeliness of the analysis of information and the provision of data.		+		
23	6.	An important factor is the involvement of students, workers and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
24	7.	SP management should demonstrate the existence of a communication mechanism with students, employees and other interested parties, including the existence of conflict resolution mechanisms.		+		
25	8.	The university should provide a measure of the degree of satisfaction of the needs of faculty, staff and students in the framework of the SP and demonstrate evidence of elimination of the discovered deficiencies.			+	
26	9.	The university should evaluate the effectiveness and efficiency of activities, including in the context of SP.		+		
		Information collected and analyzed by the university should take into account:				
27	10.	key performance indicators;		+		
28	11.	the dynamics of the contingent of students in the context of forms and types;		+		
29	12.	level of academic achievement, student achievement and expulsion;		+		
30	13.	students' satisfaction with the implementation of the academic program and the quality of education at the university;		+		
31	14.	the availability of educational resources and support systems for students;		+		
32	15.	employment and career growth of graduates.		+		
33	16.	Students, employees and faculty must document their consent to the processing of personal data.		+		
34	17.	SP management should facilitate the provision of all necessary information in relevant fields of science.		+		

Total on standard				**16**	**1**	
Standard "Development and approval of educational programs"						
35	1.	The university should determine and document the procedures for the development of SP and their approval at the institutional level.		+		
36	2.	SP management should ensure that developed SPs are consistent with established goals, including intended learning outcomes.		+		
37	3.	SP management should ensure the availability of developed models of the graduate of the SP that describe the learning outcomes and personal qualities.		+		
38	4.	SP management must demonstrate the conduct of external expert reviews.		+		
39	5.	The qualifications obtained upon completion of the SP must be clearly defined, explained and consistent with a certain level of NSC.	+			
40	6.	SP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	7.	An important factor is the ability to prepare students for professional certification.		+		
42	8.	SP management must provide evidence of the participation of students, faculty and other stakeholders in the development of SP, ensuring their quality.		+		
43	9.	The complexity of the SP should be clearly defined in Kazakhstan loans and ECTS.		+		
44	10.	SP management should ensure the content of academic disciplines and learning outcomes for the level of training (bachelor's, master's, doctoral).		+		
45	11.	The structure of the SP should provide for various types of activities corresponding to the learning outcomes.		+		
46	12.	An important factor is the presence of joint educational institutions with foreign educational organizations.			+	
Total on standard			**1**	**10**	**1**	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The university should conduct monitoring and periodic assessment of the SP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the SP.		+		
		Monitoring and periodic assessment of SP should consider:				
48	2.	the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the taught discipline;		+		
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation of students;		+		
51	5.	the effectiveness of student assessment procedures;		+		
52	6.	students' expectations, needs, and satisfaction with learning in SP;		+		
53	7.	educational environment and support services and their compliance with the goals of the SP.		+		

54	8.	The university and the SP management must provide evidence of the participation of students, employers and other stakeholders in the revision of the SP.		+		
55	9.	All interested parties should be informed of any planned or taken actions regarding the SP. All changes made to the SP should be published.			+	
56	10.	SP management should ensure that the content and structure of the SP are reviewed taking into account changes in the labor market, requirements of employers and the social request of the company.		+		
Total on standard				**9**	**1**	
Standard "Student-centered Learning, Teaching and Assessment"						
57	1.	SP management should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.		+		
58	2.	SP management should ensure the use of various forms and methods of teaching and learning.			+	
59	3.	An important factor is the availability of our own research in the field of teaching methods of educational disciplines of SP.			+	
60	4.	SP management should demonstrate the existence of a feedback system for the use of various teaching methods and assessment of learning outcomes.			+	
61	5.	SP management should demonstrate support for students' autonomy while guiding and assisting the teacher.		+		
62	6.	SP management should demonstrate the existence of a procedure for responding to student complaints.		+		
63	7.	The university should ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each SP, including the appeal.		+		
64	8.	The university should ensure that the procedures for evaluating the learning outcomes of students of SP study are in line with the planned learning outcomes and program objectives. Evaluation criteria and methods within the framework of the SP should be published in advance.		+		
65	9.	The university should determine the mechanisms for ensuring the development of learning outcomes by each graduate of the educational program and ensure the completeness of their formation.		+		
66	10.	Evaluators must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
Total on standard				**7**	**3**	
Standard "Learners"						
67	1.	The university should demonstrate a policy for the formation of the contingent of students from admission to graduation and ensure the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.		+		
68	2.	SP management should demonstrate the implementation of special adaptation and support programs for newly arrived and foreign students.		+		
69	3.	The university must demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	4.	The university should cooperate with other educational organizations and national centers of the European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
71	5.	SP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of		+		

		students, as well as the results of additional, formal and non-formal learning.				
72	6.	The university should provide an opportunity for external and internal mobility of students of SP, as well as assist them in obtaining external grants for training.			+	
73	7.	SP management should make every effort to provide students with places of practice, facilitate the employment of graduates, and maintain contact with them.		+		
74	8.	The university should provide graduates of the study program with documents confirming the qualifications obtained, including the results of training, as well as the context, content and status of the education and evidence of completion.		+		
75	9.	An important factor is the monitoring of employment and professional activities of graduates of SP.		+		
76	10.	SP management should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		
77	11.	An important factor is the existence of an existing alumni / association.			+	
78	12.	An important factor is the availability of a support mechanism for gifted students.		+		
Total on standard				**10**	**2**	
Standard "Academic staff"						
79	1.	The university should have an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff.		+		
80	2.	The university should demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic program.		+		
81	3.	SP management should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.		+		
82	4.	SP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		
83	5.	The university should determine the contribution of faculty staff to the implementation of the development strategy of the university, and other strategic documents.		+		
84	6.	The university should provide opportunities for career growth and professional development of faculty staff.		+		
85	7.	SP management should involve practitioners in relevant industries in teaching.		+		
86	8.	SP management should provide targeted action to develop young teachers.		+		
87	9.	The university should demonstrate the motivation for the professional and personal development of teachers of SP, including the promotion of the integration of scientific activity and education, as well as the use of innovative teaching methods.		+		
88	10.	An important factor is the active use of teaching staff of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MSP, etc.).			+	
89	11.	An important factor is the development of academic mobility in the framework of SP, the involvement of the best foreign and domestic teachers.			+	
90	12.	An important factor is the involvement of teaching staff in public life (the role of teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative contests, charity programs, etc.).		+		

Total on standard				**10**	**2**	
Standard "Educational Resources and Student Support Systems"						
91	1.	SP management must demonstrate the adequacy of material and technical resources and infrastructure.		+		
92	2.	SP management should demonstrate the existence of support procedures for various groups of students, including information and counseling.		+		
		SP management must demonstrate compliance of information resources with SP specifics, including compliance with:				
93	3.	technological support for students and faculty in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and majors in paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	access to educational Internet resources;		+		
96	6.	examination of the results of research, final works, dissertations on plagiarism;		+		
97	7.	WI-FI functioning in the territory of the educational organization.		+		
98	8.	The university should strive to ensure that the educational equipment and software used to master the educational program are similar to those used in the relevant industries.		+		
99	9.	The university must ensure compliance with safety requirements in the learning process.		+		
100	10	The university should strive to take into account the needs of various groups of students in the context of SP (adults, workers, foreign students, as well as students with disabilities).		+		
Total on standard				**10**	**0**	
Standard Public Awareness						
		Information published by the university within the framework of the SP should be accurate, objective, relevant and should include:				
101	1.	ongoing programs indicating expected learning outcomes;		+		
102	2.	information about the possibility of qualification at the end of the SP;		+		
103	3.	information on teaching, training, assessment procedures;		+		
104	4.	information about passing grades and educational opportunities provided to students;		+		
105	5.	information on graduate employment opportunities.		+		
106	6.	SP management should use a variety of methods of disseminating information (including media, web resources, information networks, etc.) to inform the general public and interested parties.		+		
107	7.	Public awareness should include support and clarification of national development programs of the country and the system of higher and postgraduate education.		+		
108	8.	The university should publish audited financial statements on its own web resource.		+		
109	9.	The university should demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of SP.			+	
110	10.	An important factor is the availability of adequate and objective information about the faculty of education, in terms of personalities.			+	
111	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of SP, including with scientific / consulting organizations, business partners, social		+		

		partners and educational organizations.				
112	12.	The university should post information and links to external resources based on the results of external evaluation procedures.		+		
113	13.	An important factor is the participation of the university and implemented SPs in various external assessment procedures.		+		
Total on standard				**11**	**2**	
Standards in the context of individual specialties						
TECHNICAL SCIENCES AND TECHNOLOGIES						
		Educational programs in the areas of "Engineering and technology", such as "Modern building materials", "Production of concrete and ceramic materials", etc., must meet the following requirements:				
114	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program should include disciplines and activities aimed at gaining practical experience and skills in the specialty as a whole and majors in particular, in t .h .:		+		
115	2.	- excursions to enterprises in the field of specialization (factories,		+		
116	3.	workshops, research institutes, laboratories, educational experimental farms, etc.),		+		
117	4.	- conducting individual classes or entire disciplines at the enterprise of specialization,		+		
118	5.	- conducting seminars to solve practical problems relevant for enterprises in the field of specialization, etc.		+		
Total on standard				**5**		
TOTAL			**1**	**102**	**15**	

Appendix 2. Evaluation table "SPECIALIZED PROFILE PARAMETERS" for SP 6B07215 Technology of food products, 6B11201 Life safety in the technosphere, 7M11211 Life safety in the technosphere

№	№	Criteria for evaluation	Education Organization Position			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Management of the educational program"						
1	18.	The university must have a published quality assurance policy.		+		
2	19.	Quality assurance policies should reflect the link between research, teaching and learning.		+		
3	20.	The university should demonstrate the development of a culture of quality assurance, including in the context of SP.		+		
4	21.	A commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including in the implementation of joint / double degree education and academic mobility.		+		
5	22.	The SP management ensures transparency in the development of the SP development plan based on an analysis of its functioning, the actual positioning of the university and its focus on meeting the needs of the state, employers, interested individuals and students.		+		
6	23.	SP management demonstrates the functioning of the mechanisms for forming and regularly reviewing the SP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continual improvement of SP.		+		
7	24.	SP management should involve representatives of stakeholder groups, including employers, students and faculty members, in the formation of the SP development plan.			+	
8	25.	SP management must demonstrate the individuality and uniqueness of the SP development plan, its consistency with national development priorities and the development strategy of the educational organization.			+	
9	26.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the SP, an unambiguous distribution of the duties of the staff, and delimitation of the functions of collegial bodies.		+		
10	27.	SP management must provide evidence of the transparency of the educational program management system.		+		
11	28.	SP management must demonstrate the successful functioning of the internal quality assurance system of the SP, including its design, management and monitoring, their improvement, and decision-making based on facts.		+		
12	29.	SP management must manage risk.			+	
13	30.	SP management should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies of the educational program management, as well as their representativeness in making decisions on educational program management.		+		
14	31.	The university should demonstrate innovation management in the			+	

		framework of the SP, including the analysis and implementation of innovative proposals.				
15	32.	SP management should demonstrate evidence of openness and accessibility for students, faculty, employers and other interested parties.		**+**		
16	33.	SP management must be trained in education management programs.			**+**	
17	34.	SP management should strive to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.		**+**		
Total on standard				**12**	**5**	
Standard "Information Management and Reporting"						
18	18.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.		+		
19	19.	SP management must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	20.	Within the framework of SP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, and scientific research.		+		
21	21.	The university should establish the frequency, forms and methods of evaluating the management of SP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.		+		
22	22.	The university should demonstrate the definition of the order and ensuring the protection of information, including the definition of responsible persons for the accuracy and timeliness of the analysis of information and the provision of data.		+		
23	23.	An important factor is the involvement of students, workers and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
24	24.	SP management should demonstrate the existence of a communication mechanism with students, employees and other interested parties, including the existence of conflict resolution mechanisms.		+		
25	25.	The university should provide a measure of the degree of satisfaction of the needs of faculty, staff and students in the framework of the SP and demonstrate evidence of elimination of the discovered deficiencies.			+	
26	26.	The university should evaluate the effectiveness and efficiency of activities, including in the context of SP.		+		
		Information collected and analyzed by the university should take into account:				
27	27.	key performance indicators;		+		
28	28.	the dynamics of the contingent of students in the context of forms and types;		+		
29	29.	level of academic achievement, student achievement and expulsion;		+		
30	30.	students' satisfaction with the implementation of the academic program and the quality of education at the university;		+		
31	31.	the availability of educational resources and support systems for students;		+		
32	32.	employment and career growth of graduates.		+		
33	33.	Students, employees and faculty must document their consent to the processing of personal data.		+		
34	34.	SP management should facilitate the provision of all necessary information in relevant fields of science.		+		

Total on standard				**16**	**1**	
Standard "Development and approval of educational programs"						
35	13.	The university should determine and document the procedures for the development of SP and their approval at the institutional level.		+		
36	14.	SP management should ensure that developed SPs are consistent with established goals, including intended learning outcomes.		+		
37	15.	SP management should ensure the availability of developed models of the graduate of the SP that describe the learning outcomes and personal qualities.		+		
38	16.	SP management must demonstrate the conduct of external expert reviews.		+		
39	17.	The qualifications obtained upon completion of the SP must be clearly defined, explained and consistent with a certain level of NSC.	+			
40	18.	SP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	19.	An important factor is the ability to prepare students for professional certification.			+	
42	20.	SP management must provide evidence of the participation of students, faculty and other stakeholders in the development of SP, ensuring their quality.		+		
43	21.	The complexity of the SP should be clearly defined in Kazakhstan loans and ECTS.		+		
44	22.	SP management should ensure the content of academic disciplines and learning outcomes for the level of training (bachelor's, master's, doctoral).		+		
45	23.	The structure of the SP should provide for various types of activities corresponding to the learning outcomes.		+		
46	24.	An important factor is the presence of joint educational institutions with foreign educational organizations.			+	
Total on standard			**1**	**9**	**2**	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	11.	The university should conduct monitoring and periodic assessment of the SP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the SP.		+		
		Monitoring and periodic assessment of SP should consider:				
48	12.	the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the taught discipline;			+	
49	13.	changes in the needs of society and the professional environment;		+		
50	14.	load, academic performance and graduation of students;		+		
51	15.	the effectiveness of student assessment procedures;		+		
52	16.	students' expectations, needs, and satisfaction with learning in SP;		+		
53	17.	educational environment and support services and their compliance with the goals of the SP.		+		

54	18.	The university and the SP management must provide evidence of the participation of students, employers and other stakeholders in the revision of the SP.		+		
55	19.	All interested parties should be informed of any planned or taken actions regarding the SP. All changes made to the SP should be published.			+	
56	20.	SP management should ensure that the content and structure of the SP are reviewed taking into account changes in the labor market, requirements of employers and the social request of the company.		+		
Total on standard				**8**	**2**	
Standard "Student-centered Learning, Teaching and Assessment"						
57	11.	SP management should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.		+		
58	12.	SP management should ensure the use of various forms and methods of teaching and learning.			+	
59	13.	An important factor is the availability of our own research in the field of teaching methods of educational disciplines of SP.			+	
60	14.	SP management should demonstrate the existence of a feedback system for the use of various teaching methods and assessment of learning outcomes.			+	
61	15.	SP management should demonstrate support for students' autonomy while guiding and assisting the teacher.		+		
62	16.	SP management should demonstrate the existence of a procedure for responding to student complaints.		+		
63	17.	The university should ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each SP, including the appeal.		+		
64	18.	The university should ensure that the procedures for evaluating the learning outcomes of students of SP study are in line with the planned learning outcomes and program objectives. Evaluation criteria and methods within the framework of the SP should be published in advance.		+		
65	19.	The university should determine the mechanisms for ensuring the development of learning outcomes by each graduate of the educational program and ensure the completeness of their formation.		+		
66	20.	Evaluators must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
Total on standard				**7**	**3**	
Standard "Learners"						
67	13.	The university should demonstrate a policy for the formation of the contingent of students from admission to graduation and ensure the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.		+		
68	14.	SP management should demonstrate the implementation of special adaptation and support programs for newly arrived and foreign students.		+		
69	15.	The university must demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	16.	The university should cooperate with other educational organizations and national centers of the European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
71	17.	SP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of		+		

		students, as well as the results of additional, formal and non-formal learning.				
72	18.	The university should provide an opportunity for external and internal mobility of students of SP, as well as assist them in obtaining external grants for training.			+	
73	19.	SP management should make every effort to provide students with places of practice, facilitate the employment of graduates, and maintain contact with them.		+		
74	20.	The university should provide graduates of the study program with documents confirming the qualifications obtained, including the results of training, as well as the context, content and status of the education and evidence of completion.		+		
75	21.	An important factor is the monitoring of employment and professional activities of graduates of SP.		+		
76	22.	SP management should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		
77	23.	An important factor is the existence of an existing alumni / association.			+	
78	24.	An important factor is the availability of a support mechanism for gifted students.		+		
Total on standard				**10**	**2**	
Standard "Academic staff"						
79	13.	The university should have an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff.		+		
80	14.	The university should demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic program.		+		
81	15.	SP management should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.		+		
82	16.	SP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		
83	17.	The university should determine the contribution of faculty staff to the implementation of the development strategy of the university, and other strategic documents.		+		
84	18.	The university should provide opportunities for career growth and professional development of faculty staff.		+		
85	19.	SP management should involve practitioners in relevant industries in teaching.		+		
86	20.	SP management should provide targeted action to develop young teachers.		+		
87	21.	The university should demonstrate the motivation for the professional and personal development of teachers of SP, including the promotion of the integration of scientific activity and education, as well as the use of innovative teaching methods.		+		
88	22.	An important factor is the active use of teaching staff of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MSP, etc.).			+	
89	23.	An important factor is the development of academic mobility in the framework of SP, the involvement of the best foreign and domestic teachers.			+	
90	24.	An important factor is the involvement of teaching staff in public life (the role of teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative contests, charity programs, etc.).		+		

Total on standard				**10**	**2**	
Standard "Educational Resources and Student Support Systems"						
91	1.	SP management must demonstrate the adequacy of material and technical resources and infrastructure.			+	
92	2.	SP management should demonstrate the existence of support procedures for various groups of students, including information and counseling.		+		
		SP management must demonstrate compliance of information resources with SP specifics, including compliance with:				
93	3.	technological support for students and faculty in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and majors in paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	access to educational Internet resources;		+		
96	6.	examination of the results of research, final works, dissertations on plagiarism;		+		
97	7.	WI-FI functioning in the territory of the educational organization.		+		
98	8.	The university should strive to ensure that the educational equipment and software used to master the educational program are similar to those used in the relevant industries.		+		
99	9.	The university must ensure compliance with safety requirements in the learning process.		+		
100	10	The university should strive to take into account the needs of various groups of students in the context of SP (adults, workers, foreign students, as well as students with disabilities).		+		
Total on standard				**9**	**1**	
Standard Public Awareness						
		Information published by the university within the framework of the SP should be accurate, objective, relevant and should include:				
101	1.	ongoing programs indicating expected learning outcomes;		+		
102	2.	information about the possibility of qualification at the end of the SP;		+		
103	3.	information on teaching, training, assessment procedures;		+		
104	4.	information about passing grades and educational opportunities provided to students;		+		
105	5.	information on graduate employment opportunities.		+		
106	6.	SP management should use a variety of methods of disseminating information (including media, web resources, information networks, etc.) to inform the general public and interested parties.		+		
107	7.	Public awareness should include support and clarification of national development programs of the country and the system of higher and postgraduate education.		+		
108	8.	The university should publish audited financial statements on its own web resource.		+		
109	9.	The university should demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of SP.			+	
110	10.	An important factor is the availability of adequate and objective information about the faculty of education, in terms of personalities.			+	
111	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of SP, including with scientific / consulting organizations, business partners, social		+		

		partners and educational organizations.				
112	12.	The university should post information and links to external resources based on the results of external evaluation procedures.		+		
113	13.	An important factor is the participation of the university and implemented SPs in various external assessment procedures.		+		
Total on standard				**11**	**2**	
Standards in the context of individual specialties						
TECHNICAL SCIENCES AND TECHNOLOGIES						
		Educational programs in the areas of "Technical Sciences and Technologies", such as "Life Safety in the Technosphere", "Food Technology", etc., must meet the following requirements:				
114	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program should include disciplines and activities aimed at gaining practical experience and skills in the specialty as a whole and majors in particular, in t .h .:		+		
115	2.	- excursions to enterprises in the field of specialization (factories,		+		
116	3.	workshops, research institutes, laboratories, educational experimental farms, etc.),		+		
117	4.	- conducting individual classes or entire disciplines at the enterprise of specialization,			+	
118	5.	- conducting seminars to solve practical problems relevant for enterprises in the field of specialization, etc.			+	
Total on standard				**3**	**2**	
TOTAL			**1**	**95**	**22**	

Appendix 3. Evaluation table "SPECIALIZED PROFILE PARAMETERS" for SP 7M07218 Technology of food products (prof.)

№	№	Criteria for evaluation	Education Organization Position			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Management of the educational program"						
1	35.	The university must have a published quality assurance policy.		+		
2	36.	Quality assurance policies should reflect the link between research, teaching and learning.		+		
3	37.	The university should demonstrate the development of a culture of quality assurance, including in the context of SP.		+		
4	38.	A commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including in the implementation of joint / double degree education and academic mobility.		+		
5	39.	The SP management ensures transparency in the development of the SP development plan based on an analysis of its functioning, the actual positioning of the university and its focus on meeting the needs of the state, employers, interested individuals and students.			+	
6	40.	SP management demonstrates the functioning of the mechanisms for forming and regularly reviewing the SP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continual improvement of SP.			+	
7	41.	SP management should involve representatives of stakeholder groups, including employers, students and faculty members, in the formation of the SP development plan.			+	
8	42.	SP management must demonstrate the individuality and uniqueness of the SP development plan, its consistency with national development priorities and the development strategy of the educational organization.			+	
9	43.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the SP, an unambiguous distribution of the duties of the staff, and delimitation of the functions of collegial bodies.		+		
10	44.	SP management must provide evidence of the transparency of the educational program management system.		+		
11	45.	SP management must demonstrate the successful functioning of the internal quality assurance system of the SP, including its design, management and monitoring, their improvement, and decision-making based on facts.		+		
12	46.	SP management must manage risk.			+	
13	47.	SP management should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies of the educational program management, as well as their representativeness in making decisions on educational program management.		+		
14	48.	The university should demonstrate innovation management in the framework of the SP, including the analysis and implementation of			+	

		innovative proposals.				
15	49.	SP management should demonstrate evidence of openness and accessibility for students, faculty, employers and other interested parties.		**+**		
16	50.	SP management must be trained in education management programs.			**+**	
17	51.	SP management should strive to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.		**+**		
Total on standard				**10**	**7**	
Standard "Information Management and Reporting"						
18	35.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.		+		
19	36.	SP management must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	37.	Within the framework of SP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, and scientific research.		+		
21	38.	The university should establish the frequency, forms and methods of evaluating the management of SP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.		+		
22	39.	The university should demonstrate the definition of the order and ensuring the protection of information, including the definition of responsible persons for the accuracy and timeliness of the analysis of information and the provision of data.		+		
23	40.	An important factor is the involvement of students, workers and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
24	41.	SP management should demonstrate the existence of a communication mechanism with students, employees and other interested parties, including the existence of conflict resolution mechanisms.		+		
25	42.	The university should provide a measure of the degree of satisfaction of the needs of faculty, staff and students in the framework of the SP and demonstrate evidence of elimination of the discovered deficiencies.			+	
26	43.	The university should evaluate the effectiveness and efficiency of activities, including in the context of SP.		+		
		Information collected and analyzed by the university should take into account:				
27	44.	key performance indicators;		+		
28	45.	the dynamics of the contingent of students in the context of forms and types;		+		
29	46.	level of academic achievement, student achievement and expulsion;		+		
30	47.	students' satisfaction with the implementation of the academic program and the quality of education at the university;		+		
31	48.	the availability of educational resources and support systems for students;		+		
32	49.	employment and career growth of graduates.		+		
33	50.	Students, employees and faculty must document their consent to the processing of personal data.		+		
34	51.	SP management should facilitate the provision of all necessary information in relevant fields of science.		+		
Total on standard				**16**	**1**	

Standard "Development and approval of educational programs"						
35	25.	The university should determine and document the procedures for the development of SP and their approval at the institutional level.		+		
36	26.	SP management should ensure that developed SPs are consistent with established goals, including intended learning outcomes.		+		
37	27.	SP management should ensure the availability of developed models of the graduate of the SP that describe the learning outcomes and personal qualities.		+		
38	28.	SP management must demonstrate the conduct of external expert reviews.		+		
39	29.	The qualifications obtained upon completion of the SP must be clearly defined, explained and consistent with a certain level of NSC.		+		
40	30.	SP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.			+	
41	31.	An important factor is the ability to prepare students for professional certification.			+	
42	32.	SP management must provide evidence of the participation of students, faculty and other stakeholders in the development of SP, ensuring their quality.		+		
43	33.	The complexity of the SP should be clearly defined in Kazakhstan loans and ECTS.		+		
44	34.	SP management should ensure the content of academic disciplines and learning outcomes for the level of training (bachelor's, master's, doctoral).			+	
45	35.	The structure of the SP should provide for various types of activities corresponding to the learning outcomes.			+	
46	36.	An important factor is the presence of joint educational institutions with foreign educational organizations.			+	
Total on standard				**7**	**5**	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	21.	The university should conduct monitoring and periodic assessment of the SP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the SP.		+		
		Monitoring and periodic assessment of SP should consider:				
48	22.	the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the taught discipline;			+	
49	23.	changes in the needs of society and the professional environment;		+		
50	24.	load, academic performance and graduation of students;		+		
51	25.	the effectiveness of student assessment procedures;		+		
52	26.	students' expectations, needs, and satisfaction with learning in SP;		+		
53	27.	educational environment and support services and their compliance with the goals of the SP.		+		

54	28.	The university and the SP management must provide evidence of the participation of students, employers and other stakeholders in the revision of the SP.		+		
55	29.	All interested parties should be informed of any planned or taken actions regarding the SP. All changes made to the SP should be published.			+	
56	30.	SP management should ensure that the content and structure of the SP are reviewed taking into account changes in the labor market, requirements of employers and the social request of the company.		+		
Total on standard				**8**	**2**	
Standard "Student-centered Learning, Teaching and Assessment"						
57	21.	SP management should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.		+		
58	22.	SP management should ensure the use of various forms and methods of teaching and learning.			+	
59	23.	An important factor is the availability of our own research in the field of teaching methods of educational disciplines of SP.			+	
60	24.	SP management should demonstrate the existence of a feedback system for the use of various teaching methods and assessment of learning outcomes.			+	
61	25.	SP management should demonstrate support for students' autonomy while guiding and assisting the teacher.		+		
62	26.	SP management should demonstrate the existence of a procedure for responding to student complaints.		+		
63	27.	The university should ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each SP, including the appeal.		+		
64	28.	The university should ensure that the procedures for evaluating the learning outcomes of students of SP study are in line with the planned learning outcomes and program objectives. Evaluation criteria and methods within the framework of the SP should be published in advance.		+		
65	29.	The university should determine the mechanisms for ensuring the development of learning outcomes by each graduate of the educational program and ensure the completeness of their formation.		+		
66	30.	Evaluators must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
Total on standard				**7**	**3**	
Standard "Students"						
67	25.	The university should demonstrate a policy for the formation of the contingent of students from admission to graduation and ensure the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.		+		
68	26.	SP management should demonstrate the implementation of special adaptation and support programs for newly arrived and foreign students.		+		
69	27.	The university must demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	28.	The university should cooperate with other educational organizations and national centers of the European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
71	29.	SP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of		+		

		students, as well as the results of additional, formal and non-formal learning.				
72	30.	The university should provide an opportunity for external and internal mobility of students of SP, as well as assist them in obtaining external grants for training.			+	
73	31.	SP management should make every effort to provide students with places of practice, facilitate the employment of graduates, and maintain contact with them.		+		
74	32.	The university should provide graduates of the study program with documents confirming the qualifications obtained, including the results of training, as well as the context, content and status of the education and evidence of completion.		+		
75	33.	An important factor is the monitoring of employment and professional activities of graduates of SP.			+	
76	34.	SP management should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		
77	35.	An important factor is the existence of an existing alumni / association.			+	
78	36.	An important factor is the availability of a support mechanism for gifted students.		+		
Total on standard				**9**	**3**	
Standard "Academic staff"						
79	25.	The university should have an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff.		+		
80	26.	The university should demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic program.		+		
81	27.	SP management should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.		+		
82	28.	SP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		
83	29.	The university should determine the contribution of faculty staff to the implementation of the development strategy of the university, and other strategic documents.		+		
84	30.	The university should provide opportunities for career growth and professional development of faculty staff.		+		
85	31.	SP management should involve practitioners in relevant industries in teaching.		+		
86	32.	SP management should provide targeted action to develop young teachers.		+		
87	33.	The university should demonstrate the motivation for the professional and personal development of teachers of SP, including the promotion of the integration of scientific activity and education, as well as the use of innovative teaching methods.		+		
88	34.	An important factor is the active use of teaching staff of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MSP, etc.).			+	
89	35.	An important factor is the development of academic mobility in the framework of SP, the involvement of the best foreign and domestic teachers.			+	
90	36.	An important factor is the involvement of teaching staff in public life (the role of teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative contests, charity programs, etc.).		+		

Total on standard				**10**	**2**	
Standard "Educational Resources and Student Support Systems"						
91	1.	SP management must demonstrate the adequacy of material and technical resources and infrastructure.			+	
92	2.	SP management should demonstrate the existence of support procedures for various groups of students, including information and counseling.		+		
		SP management must demonstrate compliance of information resources with SP specifics, including compliance with:				
93	3.	technological support for students and faculty in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);			+	
94	4.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and majors in paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	access to educational Internet resources;		+		
96	6.	examination of the results of research, final works, dissertations on plagiarism;		+		
97	7.	WI-FI functioning in the territory of the educational organization.		+		
98	8.	The university should strive to ensure that the educational equipment and software used to master the educational program are similar to those used in the relevant industries.		+		
99	9.	The university must ensure compliance with safety requirements in the learning process.		+		
100	10	The university should strive to take into account the needs of various groups of students in the context of SP (adults, workers, foreign students, as well as students with disabilities).		+		
Total on standard				**8**	**2**	
Standard Public Awareness						
		Information published by the university within the framework of the SP should be accurate, objective, relevant and should include:				
101	1.	ongoing programs indicating expected learning outcomes;		+		
102	2.	information about the possibility of qualification at the end of the SP;		+		
103	3.	information on teaching, training, assessment procedures;		+		
104	4.	information about passing grades and educational opportunities provided to students;		+		
105	5.	information on graduate employment opportunities.		+		
106	6.	SP management should use a variety of methods of disseminating information (including media, web resources, information networks, etc.) to inform the general public and interested parties.		+		
107	7.	Public awareness should include support and clarification of national development programs of the country and the system of higher and postgraduate education.		+		
108	8.	The university should publish audited financial statements on its own web resource.		+		
109	9.	The university should demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of SP.			+	
110	10.	An important factor is the availability of adequate and objective information about the faculty of education, in terms of personalities.			+	
111	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of SP, including with scientific / consulting organizations, business partners, social		+		

		partners and educational organizations.				
112	12.	The university should post information and links to external resources based on the results of external evaluation procedures.		+		
113	13.	An important factor is the participation of the university and implemented SPs in various external assessment procedures.		+		
Total on standard				**11**	**2**	
Standards in the context of individual specialties						
TECHNICAL SCIENCES AND TECHNOLOGIES						
		Educational programs in the field of "Technical Sciences and Technologies", such as "Technology of Food Products", etc., must meet the following requirements:				
114	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program should include disciplines and activities aimed at gaining practical experience and skills in the specialty as a whole and majors in particular, in t .h .:			+	
115	2.	- excursions to enterprises in the field of specialization (factories,		+		
116	3.	workshops, research institutes, laboratories, educational experimental farms, etc.),		+		
117	4.	- conducting individual classes or entire disciplines at the enterprise of specialization,			+	
118	5.	- conducting seminars to solve practical problems relevant for enterprises in the field of specialization, etc.			+	
Total on standard				**2**	**3**	
TOTAL				**88**	**30**	