MINISTRY OF AGRICULTURE OF REPUBLIC OF KAZAKHSTAN

“S.Seifullin Kazakh Agrotechnical University” JSC

REPORT ON SELF-ASSESSMENT
OF EDUCATIONAL PROGRAM FOR
BACHELOR - 5B080400 FISH ECONOMY AND INDUSTRIAL FISHERIES,
MASTERS - 6M0804 FISH ECONOMY AND INDUSTRIAL FISHERIES
WITHIN THE SPECIALIZED ACCREDITATION OF THE IAAR

SAKEN SEIFULLIN UNIVERSITY

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ASTANA, 2019

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DEFINITIONS AND ABBREVIATIONS

Bachelor: Professional higher education curriculum with a normative mastering period of at least 4 years with the award of the academic degree of Bachelor.

Magistracy: Professional post-graduate education curriculum with a standard term of mastering 2 years (scientific and pedagogical direction); 1,5 and 1 year (profile direction) with the award of the academic degree of Master of Economic Sciences and Master of Economics and Business respectively.

Individual curriculum: A document compiled annually by a student for an academic year on the basis of a standard curriculum and a catalog of elective disciplines, and containing a list of academic disciplines for which he enrolled and the number of credits or academic hours; the individual curriculum reflects the educational trajectory of a particular student.

Catalog of elective disciplines: A document containing a list of academic disciplines, their volume, forms of intermediate control (term papers (projects), computational and graphic works, etc.) defined by a higher education institution independently, and offered to students for study by choice

Credit technology of education: Educational technology aimed at increasing the level of self-education and the creative development of knowledge on the basis of individualization, selectivity of the educational trajectory and taking into account the amount of mastered educational material in the form of credits.

Component of choice: A list of academic disciplines and the corresponding minimum volumes of credits or academic hours offered by higher educational institutions, chosen by students independently and studied in any academic period.

Work curriculum: A document developed and approved by higher educational institutions on the basis of a standard curriculum and individual curricula for students, taking into account the conditions of a particular professional activity, stages of the educational process: it contains a complete list of training disciplines grouped into DTE cycles, DB and PD as a compulsory component, and the component of choice required for the development of students with the indication of credits or academic hours: the structure of the working curriculum is determined by higher educational institution independently.

Syllabus: The discipline's curriculum, which includes a description of the discipline under study, its goals and objectives, a thematic plan reflecting the duration of each topic, a brief summary of them, independent work assignments, consultation time, boundary control schedule, bibliography, teacher requirements and evaluation criteria.

Model curriculum: The main curriculum document developed on the basis of the state compulsory standard of education by specialty and establishes the mandatory components in the form of a list of academic disciplines, combined into DTE cycles, DB. PD indicating the minimum credits required for students to master, forms of control, as well as additional types of training and final attestation.

Mandatory component: The list of academic disciplines and the corresponding minimum volumes of credits established by state compulsory education standards and studied by students on a mandatory basis under the program of study.

Department (office) of the Registrar: Service, providing the organization of various types of knowledge control, dealing with the registration of the entire history of students' educational achievements and the calculation of their academic rating.

Academic mobility: transfer of students or research teachers to study or conduct for a certain academic period (semester or academic year) to another institution of higher education (domestically or abroad) with mandatory recalculation of mastered curricula, disciplines in the form of credits in their higher educational institution or to continue studying at another institution of higher education;

Accreditation of educational organizations: The procedure for the recognition by an accreditation body of the compliance of educational services is established by accreditation standards (regulations) in order to provide objective information about their quality and confirm the existence of effective mechanisms for its improvement;

Remote educational technologies: training carried out with the use of information and communication technologies and telecommunication facilities with mediated (at a distance) or not fully mediated interaction of the student and teacher;

European Credit Transfer and Accumulation System (EuropeanCreditTransferandAccumulationSystem – ECTS): A student-centered method of planning, describing educational programs, recording and recognizing learning outcomes, and monitoring the dynamics of a student's progress along an individual educational path, by defining the workload of disciplines to all its components.

Specialized accreditation: Evaluation of the quality of individual educational programs implemented by the educational organization;

Quality of educational programs: Compliance of the level of competencies of students and graduates with the requirements of professional standards and additional requirements established by the organization implementing educational programs;

Credit technology training: Learning based on the choice and self-planning by students of the sequence of studying disciplines using credit as a unified unit for measuring the volume of student's and teacher's study work;

Educational program: A single set of basic educational characteristics, including goals, results and content of education, organization of the educational process, methods and methods for their implementation, criteria for evaluating learning outcomes;

Educational monitoring: Systematic observation, analysis, assessment, forecast of the state and dynamics of changes in the results and conditions for the implementation of educational processes, the number of students, the network, as well as rating indicators of the achievements of educational organizations;

Qualification Assignment: A procedure for confirming a set of individual abilities, professional knowledge, abilities and skills necessary to perform work within the relevant type of professional activity in a particular specialty;

Effectiveness: The degree of implementation of the planned activities to achieve the planned results;

Quality system: A set of procedures, departments and officials in organizations that perform certain functions of quality management in accordance with established rules and accepted methods and ensure that all graduates of the educational program comply with the requirements established in accordance with professional standards

Student-centered learning: The fundamental principle of the reforms of the University of Bologna is higher education, which implies a shift in emphasis in the educational process from teaching (as the main role of the teaching staff "translating" knowledge) to teaching (as an active educational activity of a student);

Curriculum: A program that determines for each academic discipline (subject) the content and amount of knowledge, skills, abilities and competencies to be mastered;

Education plan: A document regulating the list, sequence, volume (complexity) of subjects, disciplines (modules), practices, other types of educational activities of students of the appropriate level of education and forms of control;

Efficiency: The ratio between the result achieved and the resources used.

This self-assessment report uses the following abbreviations:

RK – The Republic of Kazakhstan;

MES RK - Ministry of Education and Science of the Republic of Kazakhstan;

AC – Accreditation council;

BA – bachelor;

MA – magistracy;

PhD – doctoral studies;

HEI– higher educational institution;

EEC – external expert committee;

GOSO - state mandatory educational standards;

SPED – state program of education development;

KATU – S.Seifullin Kazakh Agrotechnical University;

IAAR - Independent Accreditation and Rating Agency;

R – regulations;

NQF – national qualifications framework;

NQS – national qualifications system;

R & D - research work;

SSR – students' scientific research;

MSSR – master student’s scientific research;

EP– educational program;

TS– teaching staff;

QMS - quality management system;

GE – general education;

BD – basic discipline;

M – majors;

IWS - independent work of the student;

IWST - independent work of the student under the guidance of a teacher;

IWMT - independent work of the master student under the guidance of a teacher;

EEEA – external evaluation of educational achievements;

FSC – final state control;

AIC – agro-industrial complex;

SRI - Scientific Research Institute;

CCR - Club cheerful and resourceful;

CYA - Committee on Youth Affairs;

FSP – Faculty of Social Professions;

MM - mass media;

JSC - joint stock company;

MC - Model Curriculum;

EC - educational complex;

ECD - educational complex of the discipline;

MA RK - Ministry of Agriculture of the Republic of Kazakhstan;

WC – working curriculum;

CED - catalog of elective disciplines;

IEP - Individual Curriculum;

ECS - educational complex of specialty;

EMC - educational and methodical council;

MEP - modular educational program;

EP – educational plan;

MC – midterm control;

PRS – point-rating system;

FC – final control;

CC – current control;

AIS – automated information system;

IT - information technology;

SWOT –Strengths Weakness Opportunities Threats;

ИСО, ISO - The International Orqanization for Standardization;

LLP - a limited liability partnership;

NC - national company;

ECTS – European Credit Transfer System;

QS - QuacguarelliSymonds

EurEC - Eurasian Economic Community;

UNT - Unified National Testing;

CTA - comprehensive testing of applicants;

PMDM - personnel management and document management;

CC RK - Civil Code of the Republic of Kazakhstan;

AAD - Academic Affairs Department;

DEW - the department of educational work.

NORMATIVE REFERENCES

The department of "Hunting and Fisheries" in the implementation of educational programs for the preparation of bachelors, and masters of specialty "Hunting and Fisheries" operates in accordance with the regulations of the Ministry of Education and Science of the Republic of Kazakhstan:

1 Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III "On Education" (dated July 15, 2011, as amended and supplemented); Model rules for the ongoing monitoring of progress, midterm and final certification of students in higher educational institutions (No. 125 of March 18, 2008; amended by order of the Ministry of Education and Science of the Republic of Kazakhstan No. 94 of March 16, 2011);

2 Rules for the organization of the educational process on the credit technology of education (No. 152 of April 20, 2011);

3 Law of the Republic of Kazakhstan “On accreditation in the field of conformity assessment” dated July 5, 2008 No. 61-IV.

4 Rules of accreditation of educational organizations of the Republic of Kazakhstan. Resolution of the Government of the Republic of Kazakhstan dated December 29, 2007 No. 1385.

5 GOSO RK 5.04.019-2011 “Higher education. Undergraduate. Basic Provisions ”, approved by the order of the Ministry of Education and Science of the Republic of Kazakhstan dated June 17, 2012. No. 261.

6 GOSO of the Republic of Kazakhstan. Higher education. Undergraduate. Basic provisions. approved Resolution of the Government of the Republic of Kazakhstan on August 23, 2012, No. 1080

7 Model rules for admission to educational institutions that implement professional curricula for higher education (approved by the Government of the Republic of Kazakhstan dated January 19, 2012 No. 111, as amended on April 19, 2012 No. 487, dated June 30, 2012 No. 896).

8 Development Program of JSC " S. Seifullin Kazakh Agrotechnical University" for 2011-2015 and others.

GENERAL INFORMATION

The name of the organization of education	JSC "S.Seifullin Kazakh Agrotechnical University"
Legal Details	The Republic of Kazakhstan, 010000, Astana, Pobedy Avenue 62 Phone number: 8 7172 317547, 8 7172 393918, Fax: 8 7172 316072 E-mail: agun.katu@g.mail.com Web-site: www.kazatu.kz
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Date of submission of 1 self-assessment report	17.10.2018
Information about the self-assessment procedure	The self-assessment procedure was carried out collectively, based on the principles of publicity and transparency. In drawing up the report on self-assessment, the commission was guided by the following methods: quantitative analysis, systematic, objectivity, comparative analysis, theorizing of generalization. The self-assessment report on the subject of institutional accreditation was approved at a meeting of the Academic Council of the University .2018 Protocol No. 3 dated 10.10.2018

1 SUMMARY OF ACTIVITIES S.SEIFULLIN KATU

1.1 Introduction

"S.Seifullin Kazakh Agrotechnical University" Joint-stock company (further – "S.Seifullin KATU" JSC) is a subject of high professional education in the Republic of Kazakhstan and acts on the basis of the Charter, approved by the decision of the sole shareholder of a non-profit joint-stock company and the "National Agrarian Scientific-Educational Center" No. 2 of 05.02.2018, certificate of state re-registration of a legal entity №27738-1901-АК from 10.07.2007.

"S.Seifullin KATU" JSC is one of the largest in Kazakhstan multidisciplinary higher educational institution. This university provides the training of highly qualified specialists for various sectors of the economy of Kazakhstan, the performance of scientific research and the training of highly qualified personnel on their basis.

The faculty of the university unites 889 regular teachers, including 81 doctors, 380 candidates of sciences and 55 PhD doctors. Training is conducted at 8 faculties, 43 departments in 36 areas of bachelor's degree, 31 magistracy, 23 PhD doctorates, as well as 36 centers and laboratories.

Higher professional education is provided by full-time and part-time forms of education, and on the reduced educational program and on the basis of higher education. Depending on the form of study, the term of study ranges from 2 to 5 years.

On the base of higher education, graduates of higher education institutions get second professional education in advanced training institute and distance course: training period is from 2 to 4 years depending on the form of education.

Our university over the past few years has been actively improving its positions in the world rankings. In 2012 we for the first time took part in the ranking of one of the most authoritative agency QS (QuacguarelliSymonds) at the evaluation of universities and entered the ranking of the best 700 educational institutions among the best 25000 educational institutions of the world, in 2013 entered the top of 800 world universities. By the results of the world ranking Webometrics site of our university takes 14281 position.

In independent ranking of higher education institutions at the directions and levels of specialists' training in the Republic of Kazakhstan, in 2015 ranking S. Seifullin KATU took 5

position, among agricultural institutions it takes 1 position. Prizes: 12-1 places, 8-2 places, 10-3 places. 19 scientists entered the TOP-50 best teachers.

In 2016, in the rating of the Independent Accreditation Agency and the rating of S.Seifullin KATU in the direction of "Agricultural Sciences" took 2nd place. Prizes: 9-1 places, 21-2 places, 16-3 places.

In 2017, in the rating of the Independent Accreditation Agency and the rating of S.Seifullin KATU in the following directions: Agricultural sciences - 2nd place, veterinary science - 2nd place, art-5th place, technical - 7th place, economy –6th place. Prizes: 24-1 places, 18-2 places, 7-3 places. The general rating of teaching staff of higher educational institutions of Kazakhstan - D.Z. Eskhozhin - 11 place.

In 2018 in the National ranking of the demand for universities in Kazakhstan - 2018 S.Seifullin KATU in top 20 universities in Kazakhstan ranked 4th. In the following areas: Agricultural Sciences - 2nd place, veterinary medicine - 2nd place, art-8th place, technical - 8th place, economy - 6th place, services - 7th place. Prizes: 17-1 places, 19-2 places, 15-3 places. 6 university professors were included in the general rating of "Teaching staff of higher educational institutions of the Republic of Kazakhstan", the top - 50:

In 2017, in the Republican rating agency "General ranking of universities - 2017" JSC " S.Seifullin KATU" took 11th place. Prizes: 1 - 32 places, 2 - 33 places, 3 - 12 places.

In 2018, in the Republican rating agency "Kazakhstan-2050 - National rating for innovation and academic excellence" JSC " S.Seifullin KATU" took 2nd place among agricultural universities. Prizes: 1st - 39 places, 2 - 17 places, 3 - 18 places

In 2015-2017, 47 employees and students of the university took part in the Bolashak program; since 2006, the teachers of our university have participated in the contest “The best teacher. During the reporting period, 4 teachers received a grant "The Best Teacher".

In the period of 2014-2016 S. Seifullin KATU signed 75 cooperation agreements and memorandums of understanding, 45 of them are during 2016-2017 academic year and 30 are during 2017-2018 academic year. Foreign partners of S. Seifullin KATU are foreign higher education institutions, organizations and scientific centers of following countries: the USA, Canada, Germany, Italy, Hungary, Poland, Romania, Lithuania, Turkey, Serbia, PRC, The Republic of Korea, Republic of Belarus, Russia, Mongolia and etc.

In the 2016-2017 academic year for the attraction of foreign scholars, no budget funds were allocated. However, KATU has done work on finding other ways to attract foreign

scientists to the university's educational activities. So, in 2016, 4 foreign scientists gave lectures for students of KATU in the framework of the Fulbright program of the US Embassy, as part of the EU Erasmus + program and free of charge. Along with foreign teachers, in 2016, 6 experts from the University of California Davis (5 people) and the University of Arkansas (1 people) (USA) visited the KATU to jointly develop 2 graduate educational programs as part of the SPIID. In addition, from 15 to 24 October 2016, KATU was visited by Honorary Professor Paul Singh from the University of California at Davis (USA) to conduct seminars and master classes for teachers, specialists and students of KATU also as part of the SPIID.

In 2016, research work was carried out in the framework of grant, program-targeted funding and contracts with business entities in the amount of 92 projects in the amount of 552,333.94 thousand tenge, in the final 2017 in connection with sequestration by the Ministry of Education and Science of the Republic of Kazakhstan grant financing under the budget program "217" on average by 10% of the total amount amounted to 507,486.3 thousand tenge.

According to the results of the research work of the faculty of the university, the number of scientific articles published in journals with non-zero impact factor included in the Web of Science and Scopus database in 2017 is 120, which is 26% more than in 2016 and the impact factor of the article published in the journal Thomson Reuters 4.30.

As of August 1, 2017, the journals with impact factor (in the Web of Science (Thomson Reuters) and Scopus database) were published 52 articles and 10 Eurasian patents were received.

As of August 1, 2018, 46 research projects and a program of contracts with economic entities amounting to 459,470.35 thousand tenge are implemented at the university within the framework of the budget program 217 "Development of Science", including:

- 1 scientific and technical program and 1 project in the framework of the NTP RSE "National Center for Biotechnology" sub-program 101 "Program-targeted financing of subjects of scientific and / or scientific and technical activities" (MES RK) totaling 118,000.00 thousand tenge;

- 24 projects under subprogramme 102 "Grant financing of scientific research" of the MES RK on priorities "Sustainable development of the agro-industrial complex and safety of agricultural products" (9 projects), "Life Science" (7 projects) "Rational use of natural resources" (3 projects) , "Scientific basis" Mangilik Yel ("Eternal Country") (education of the

XXI century, basic and applied research in the field of humanities)" (3 projects)," Energy and mechanical engineering" (2 projects) for 195003,26 thousand tenge;

- 2 projects on program-oriented financing of the Ministry of Agriculture of the Republic of Kazakhstan in the amount of 32,000.00 thousand tenge;

- 2 international projects: 1 joint project with the Xinjiang Institute of Ecology and Geography of the Academy of Sciences of the People's Republic of China "Joint technical research on the creation of environmental protection in developing cities of the Silk Road Economic Belt of China and Kazakhstan" and 1 joint project with Xisen "Transfer of highly productive foreign varieties of potatoes for virus-free seed production in Northern and Central Kazakhstan" for a total amount of 4848.71 thousand tenge;

- 16 contracts with economic entities for research and development in the amount of 109618.39 thousand tenge.

1.2 History of S.Seifullin KATU

JSC "Kazakh Agrotechnical University named after S. Seifullin" was founded in 1957, when in the center of a vast virgin region of Akmolinsk by the Resolution of the Council of Ministers of the USSR No. 1176 of October 3, 1957. Akmola Agricultural Institute was organized.

The decision to open the university was associated with the widespread development of virgin and landowning lands in Kazakhstan, the opening of hundreds of new state farms and, as a result, the need for highly qualified specialists. Specialists were trained in three faculties: agronomic, land management and agricultural mechanization. The first admission was organized in 1958 and amounted to 250 students.

The Institute gradually expanded, becoming a major center of higher agricultural education and science. Over the next 20 years, other faculties were organized and opened.

In 1996, Government Decree No. 573 of May 7, 1996, the Akmola Agricultural Institute was reorganized into the Akmola Agrarian University, and was named after a prominent public figure and an outstanding personality of the Kazakh people - Saken Seifullin.

Based on the Decree of the Government of the Republic of Kazakhstan No. 821 dated July 15, 2001, the State Enterprise “Akmola Agrarian University named after S. Seifullin” was renamed CJSC “Kazakh Agrarian University named after S. Seifullin”.

On May 20, 2003, “S. Seifullin Kazakh Agrarian University” CJSC changed the type of society and acquired the abbreviation of S. Seifullin Kazakh Agrarian University.

In 2004, on the basis of the Decree of the Government of the Republic of Kazakhstan (No. 829 of August 3, 2004), the S.Seifullin Kazakh Agrarian University OJSC was liquidated and the RSE on the basis of economic management of the S.Seifullin Kazakh State Agrotechnical University was established on its basis.

By the Decree of the Government of the Republic of Kazakhstan "Certain Issues of the Ministry of Education and Science of the Republic of Kazakhstan" (No. 300 dated April 4, 2005), the RSE on the right of economic management "S.Seifullin Kazakh State Agrotechnical University" was transferred to the Ministry of Agriculture of the Republic of Kazakhstan.

In 2007, on the basis of the Decree of the Government of the Republic of Kazakhstan (No. 409 of May 22, 2007), the university was reorganized into JSC "S. Seifullin Kazakh Agrotechnical University".

In May 2013, speaking at a meeting of the Council of Foreign Investors, President of the Republic of Kazakhstan N.A. Nazarbayev proposed to organize on the basis of S.Seifullin KATU, a world-class research university in the field of agriculture, following the example of Nazarbayev University. Distinctive features of the new status will be:

1) an autonomous model of management following the example of the leading research agricultural universities of the world, combining scientific research, training and implementation of scientific results in real production and focused on integration into the global scientific and educational space;

2) own academic programs based on the adaptation of the best programs in the world, with a focus on the development of practical skills in the application of advanced achievements in the industry;

3) breakthrough scientific research combining advanced achievements of fundamental and applied science, integrated into the educational process and based on partnership with world technological leaders;

4) a developed toolkit for the introduction of innovations, based on constant "feedback" with the subjects of the AIC, including both mechanisms for the commercialization of technologies and the dissemination of knowledge.

Attracting leading foreign professors and scientists, combining their knowledge with the experience of domestic specialists, the necessary competences in all key areas of the agroindustrial complex will be gained. As a result, upon completion of the transformation into the Research Agrarian University, S.Seifullin KATU will be positioned as (1) the main

supplier of competitive innovations for the agroindustrial complex in North and Central Kazakhstan, (2) the most desirable place of employment for teachers and the most desired place for training for students, (3) undergraduates and doctoral students in relevant specialties. The main activities of the university are:

1) training in accordance with the state compulsory education standard of qualified specialists for various sectors of the economy and social spheres;

2) training of scientific and pedagogical personnel in magistracy, doctoral studies;

3) organizing and conducting fundamental, applied research and development work, as well as methodological research in all fields of science;

4) advanced training and retraining of specialists in various fields;

5) cultural and educational activities, participation in the process of mutual enrichment of the cultures of the peoples of Kazakhstan, dissemination and promotion of scientific knowledge;

6) production and sale of printing products, educational and methodological manuals, new technologies and scientific developments;

7) organizing and conducting recreational and sports activities, the creation of sports sections;

8) the conclusion with foreign organizations of direct contracts and contracts in all areas of primary activity, the creation of temporary teams of scientists and specialists, participation in the activities of international associations and organizations.

1.3 Department history

The Department of “Hunting and Fisheries”, founded in 2001, trains specialists in the specialties of bachelor’s degree 5B080300 “Hunting and animal breeding” and 5B080400 “Fisheries and industrial fishing”, as well as undergraduates in the specialties 6M080300 “Hunting and animal breeding” and 6M080400 “ Fisheries and industrial fishing.

For the period of the department’s existence, the department heads (department head) were associate professors Zh.K. Kurzhikaev, K.N. Syzdykov, S.N. Narbaev. Currently, the department of “Hunting and Fisheries” is headed by K.N. Syzdykov.

In the initial years, the department was in dire need of specialists, so from the very beginning, the staff of the department underwent internships and advanced training in the biological faculty of Al-Farabi Kazakh National University, in higher educational institutions of the cities of Moscow, Irkutsk, Astrakhan, Kirov, training specialists in hunting and

fisheries. The staff of the department for a short time fully provided the necessary educational materials in the specialties of hunting and fisheries.

Currently, the department employs 23 teachers and 2 laboratory assistants. Of the total number of teachers, there are 1 doctor of science, 10 candidates of science, 2 PhD (7 assistant professors and 2 associated professors), 10 senior teachers (5 of them are masters of agricultural sciences) and 3 assistants - masters of agricultural sciences.

For the formation of specialists in the fish industry, the department has created an appropriate educational, methodical and technical base. The educational process and production practices are held in the training and production hunting and fishing industry "Dudarai" located in Korgalzhin district, Akmola region, training and production complex "Saryarka" located in Burabai National Park, in hunting farms and hatcheries of Akmola, Kostanay, Pavlodar, North Kazakhstan and Kyzylorda regions.

In order to provide scientific and pedagogical personnel at the department, since 2009, masters have been trained in the specialties 6M080300 "Hunting and animal breeding" and 6M080400 "Fisheries and industrial fisheries". Since the opening of the department 4 candidate, 2 PhD and 21 master's theses have been defended. Currently, 7 undergraduates are studying at the department.

Since 2005, the department has been actively engaged in research activities on budget programs. In a short time, the staff of the department executed 9 state budget programs in line with the Ministry of Education and Science and the Ministry of Agriculture for a total amount of more than 90 million tenge. At the moment, the department is engaged in research activities in the direction of the development of lake-commercial fish farms and the development of biotechnical methods of growing new aquaculture objects in the conditions of Kazakhstan fish farms. In order to ensure scientific research at the department opened a research center "Fisheries".

Also, the staff of the department conducted research to determine the fishery productivity of inland waters of Akmola and Kostanay regions.

The department conducts joint research work with the Northern branch of the Kazakh Research Institute of Fisheries, which is located in the university building.

The department maintains strong relations with foreign universities. In 2001, a cooperation agreement was drawn up with the Irkutsk State Academy of Agriculture (Russia), in 2002 with the B.Zhitkov All-Russian Scientific Research Institute for Hunting and Animal

Science and Vyatka State Agricultural Academy. In 2008, a cooperation agreement was drawn up with the Department of Aquaculture and Bioresources of Astrakhan State Technical University, in which the senior teacher Zh.B. Kuanchaleev was trained in graduate school. In 2009, the senior teacher of the department G.A. Aubakirova defended her thesis at the dissertation council D 220.048.04 of Novosibirsk State Agrarian University. In order to improve their skills, the staff of the department completed internships at the Vyatka Agricultural Academy, in the city of Kirov (Russia). From 2011 to 2016, the department staff participated in the FAO "Aquaculture development in third countries" seminar held in Turkey. In 2012, scientists of the department completed training courses at the Research Center for Freshwater Fisheries in the city of Wuxi (China), at Astrakhan State Technical University (Russia).

Our graduates A. Bahiyanov, S. Bolozh, Kaztai work as leading employees and heads of departments in the Committee for Forestry and Wildlife of the Ministry of Agriculture of the Republic of Kazakhstan. R. Nurgaliyev was trained in the magistracy at the Sorbon University in France.

The Department of Hunting and Fisheries collaborates with leading universities and research centers in foreign countries: the Warsaw University of Life Sciences (Poland); Krakow University of Agriculture (Poland), Putra University (Malaysia); West Hungarian University (Hungary); University of Eastern Finland (Finland).

The results of international cooperation are reflected in regular joint publications in cited scientific journals, both domestic and foreign.

In recent years, the department has been lectured by the following leading foreign scientists - professors:

1. Marian Brzyzowski, professor at the Warsaw University of Life Sciences (Poland)
2. Andras Nahlik, Deputy Rector, University of Western Hungary (Hungary)
3. Annie Christianus, Putra University (Malaysia).
4. Rein Cortet, Head of the Department of Biology, University of Eastern Finland (Finland).
5. Jamila Binty Bakar - PhD, Putra University (Malaysia).

The department has all the possibilities for further development.

2 EDUCATIONAL PROGRAM MANAGEMENT

The implementation of the educational program in the specialty 5B080400 / 6M080400 "Fisheries and industrial fishery" is carried out by the Department of Hunting and Fisheries. The Department of Hunting and Fisheries provides training for specialists in higher and postgraduate education programs (bachelor's degree, magistracy, second higher education) in credit technology, the main task of which is to develop students' self-organization and self-education capabilities based on the choice of educational trajectory process and accounting of knowledge in the form of loans.

The educational program is based on the academic policy of the university, approved by the Academic Council "S.Seifullin KATU" protocol No. 21 dated June 30, 2017. Academic policy is posted on S.Seifullin KATU and is available to faculty, students, employers and all interested parties . This Academic Policy determines the order of organization of studies at the university according to the credit system of studies in higher and postgraduate education programs. The document includes the procedure for registering students for attending classes, conducting current, intermediate and final controls, organizing the passage of students of all types of practices, assessing students' knowledge; the order of payment of state scholarships to students, the rules of transfer, restoration, deduction of students, final certification.

The academic policy of the university provides for the formation of students independently their own learning path in the catalog of elective disciplines, formed by the department together with employers, according to the curriculum of the specialty. The student chooses the required number of compulsory and elective disciplines, which are reflected in the individual curriculum (IEP) for one academic period (academic year) with an indication of professional practice. At professional practices, practical skills are learned with research. The department conducts research in the development of the lake-commercial economy in Kazakhstan and the cultivation of new aquaculture facilities. Based on the conducted research directions, educational programs in the specialty were formed, and disciplines such as "Sturgeon breeding", "RAS Operation", "Pond fish farming", "Cadre fish farming", "Artificial fish farming" were created, which reflect the direction of the scientific activity of the department and provide the qualitative connection between research, teaching and learning. Professional practice is organized in accordance with the agreements concluded with

government agencies for the protection and monitoring of fish resources, fishing companies and fish farms. The educational program of the specialty interacts with the business communities, research institutes, teachers and trainers, in particular in the business community this work is carried out jointly with business entities, with research institutes with the joint implementation of research projects in the framework of grant research. The teaching staff of the Department of Hunting and Fisheries are actively involved in the implementation of research through the MES, the Ministry of Agriculture and the UNDP International Program. Students at a share of 10% are included in the performance of these research projects. Currently, partnerships are being established with enterprises in the field of fisheries, scientific organizations and economic entities, with the conclusion of contracts for the implementation of research, bio-bases of reservoirs, etc. Faculty members and students of the Department of Hunting and Fisheries actively participate in joint research projects with the Kazakh Research Institute of Fisheries under the program No. 249 "Development of biotechnical methods of growing new aquaculture objects in fish farms", which is headed by Senior Lecturer of the Department Zh.B. Kuanchaleev.

In high school and in the specialty “Fisheries and industrial fishery”, in particular, dual training is used, which takes up about 30% of practical training. Dual training is conducted in such disciplines as "Ichthyology", "Artificial fish farming", "Hydrobiology", these classes are held on the basis of the Research Center "Aquaculture" and Oceanarium "Duman". The management of EP is carried out by the educational-methodical council and academic council of the university, besides curriculum committees and a program have been established to adjust the EP to universities, which include teachers of the department K.N. Syzdykov.

As a result of the innovations introduced, better work is being done to formulate the EP and improve its content. When discussing the EP with employers, it was determined that the quality of the formation of the EP is quite high.

The image of the educational organization and EP is characterized by the fact that the employers demand for graduates is increasing, many nature users want to take short-term courses in the disciplines introduced in the EP. Employees of the department conduct training seminars, in particular on the RAS operation.

In order to determine the quality of educational programs in the specialty Fisheries and industrial fishery, meetings and discussions of the EP with employers are held, as well as discussions of the EP at the department meeting, where faculty members make adjustments

and determine the need for existing disciplines according to their modern conditions for the development of fisheries. EP specialty are heard and approved by the academic council of the university. For a quality EP, a university established a committee for curriculum and programs, which included three teachers of the department (Syzdykov K.N., Aubakirova G.A., Asylbekova A.S.). In order to improve the quality of the EP, an annual discussion is held with the invitation of employers. In addition, at the end of the school year, a department meeting is held with a discussion of the OP.

The outsourcing activity in the specialty “Fisheries and Industrial Fisheries” is carried out by conducting professional practices, these activities are carried out by SIC “Aquaculture”, the Northern branch of the Kazakh Research Institute of Fisheries and the Regional Society of Hunters and Fishermen of Astana and Akmola region. Training of students is carried out in accordance with the schedule of the educational process. The main requirements for contractors and partners is a high-quality practical training by familiarizing with the conduct of the biological study of reservoirs, ichthyological studies, the principles of catching fish and the conservation of biodiversity of reservoirs. These requirements are fixed in bilateral agreements with these organizations. Monitoring of the activities of these organizations and students is carried out by the departure of teachers at the place of professional practice.

The development plan for the EP is formed for 3 years and is reviewed annually at a department meeting in the presence of employers, student assets and other interested parties. The development plan of the EP reflects the main objectives for the improvement and a phased course of activities. The EP development plan is posted on the university's website in the section of the Department of Hunting and Fisheries of the Faculty of Veterinary and Livestock Technology (Appendix 1).

The implementation of the EP of the specialty 5B080400 / 6M080400- "Fisheries and industrial fisheries" according to the development plan is carried out in accordance with the following tasks:

- improvement of conditions for obtaining high-grade, high-quality professional education;

- carrying out updating of the maintenance of EP, forming the basic professional competences of the future specialists of the fish industry;

- the creation of prerequisites for independent research activities of the student in the framework of the experiment at all stages of training;

- development of measures for the development of work with scientific and technical information in the use of domestic and foreign experience in professional activities;

- organization of consultations of employers and scientists of scientific research institutes when choosing relevant and practically significant topics of theses and master's theses.

The educational program in the specialty "Fisheries and industrial fisheries" provides the conditions for:

- acquiring a high general intellectual level of development, mastering professional Kazakh (Russian), foreign languages, thinking culture and skills of scientific organization of labor;

- high-quality mastering of professional skills in the field of fisheries and industrial fisheries, the formation of theoretical and practical training of future bachelors for the transition to the second level of higher professional education (magistracy);

- formation of graduates' competitiveness in the labor market for the fastest possible employment in the specialty and professional growth, selection of individual programs in the field of education.

The current state of implementation of the educational program in the specialty “Fisheries and industrial fisheries” indicates that the service department of hunting and fisheries has the potential to organize students' activities, manage the process of personality formation and development.

The advantage of training can be analyzed on the basis of the results of the survey, aimed at identifying the quality of activity. The results of the survey of students shows that the advantages in the activities are:- статус вуза;

- positive image;

- the possibility of training specialists in state grants;

- high-quality provision of educational services;

- favorable psychological atmosphere in the team and relationships with students.

- material and technical base of the university.

The competitiveness of educational activities can be judged by the positions occupied by the specialty in the ratings of Kazakhstani universities.

Every year the financial stability of the university is growing, which makes it possible to strengthen the material and technical base, raise wages, and use other forms of encouragement and financial support for the team and students.

The faculty and students of this specialty are directly involved in the process of long-term and short-term planning of academic activities, based on the specific objectives of each participant in the educational process. The participation of faculty and students in the development of tactical and strategic plans is reflected in the following aspects:

- discussion of strategic plans and development programs at meetings of departments, structural divisions;

- discussion of strategic plans and development programs for curatorial hours of academic groups;

- survey of students in order to identify their satisfaction with the main activities of the department.

- Participation of students in scientific circles is implemented by the strategic direction of the department.

The department systematically collects, accumulates and analyzes information on the implementation of EP and conducts self-assessment in all areas based on the development and implementation of measurement processes.

The objectives of the EP specialty Fisheries and Industrial Fisheries satisfy the training of professional personnel for the Ministry of Agriculture of the Committee of Forestry and Fauna; Research institutes, fishery enterprises. Teaching EP provides an opportunity to acquire all the necessary professional competencies for their implementation in public institutions and in enterprises of private property.

The demand for graduates of the specialty in the labor market is due to the low security of the fisheries industry by highly qualified specialists in the fisheries and industrial fisheries. The implementation of the plan for the development of EP and the achievement of the educational process of the department has been repeatedly informed on the faculty council (protocol No. 2 dated 10.22.2015, protocol No. 2 dated October 18, 2017, protocol No. 2 dated October 18, 2018).

The plans for the development of EPs in the specialty “Fisheries and industrial fisheries” are held publicly with representatives of all interested parties, on the basis of proposals and amendments that the authorized collegial body of the university makes changes to the project.

The development plan for the EP of the Department of Hunting and Fisheries was developed on the basis of the university's strategic plan. The strategy "KATU - 2025" approved at the meeting of the Academic Council on June 3, 2015, protocol No. 20, and approved by the Board of Directors of S.Seifullin KATU December 14, 2015, the annual implementation of which is carried out through the plans of educational and methodical, research and educational work of the department.

Specialty 5B080400 / 6M080400-Fisheries and industrial fisheries carry out processes of strategic planning and distribution of tasks, in accordance with the development of educational services in the region, according to the stated mission, goals and objectives, systematically collects, accumulates and analyzes information about its activities; evaluates the strengths and weaknesses on the basis of which the dean's office determines the policy and develops a strategic plan.

The implementation of the development plan of EP according to the tasks set (Appendix 2) is annually analyzed by the participants of the EP (department, faculty). The report on the implementation, efficiency and effectiveness of the EP development plan is created by the head of the EP and reviewed at the University Academic Council. During the monitoring, the implementation of the plan is checked, the compliance of the results of the processes with the planned indicators (performance), the performance is discussed, an assessment is given, and corrective actions are taken to eliminate deficiencies and omissions in work, if necessary.

Monitoring (control) of the planned activities in the framework of the educational program is carried out at the meetings of the department (educational and methodical section, faculty council), educational and methodical management, office of the registrar, where:

- the fulfillment of plans is checked;
- the conformity of the results of the processes to the planned indicators (performance) is established
- there is a discussion of performance;
- a corresponding assessment is given;
- If necessary, corrective actions are developed to eliminate the shortcomings and omissions in the work.

At the end of the academic year, the head of the department writes a report on the work of the department, which helps management to track the implementation of the development plan of the EP.

The development, examination and approval of internal documents of the educational program are carried out in accordance with the republican regulatory documents, and the practice of coordinating the educational program with stakeholders has been introduced. When forming the development plan, the EP is discussed at the meeting of the department in the presence of interested parties. Interested parties make proposals to the EP for the inclusion of disciplines that meet modern requirements in the development of fisheries. Such potential employers as the Northern Branch of KazNIIRH LLP and the NGO “Society of Hunters and Fishermen of Astana and Akmola Region” participated in drawing up the development plan for EP, IPO, and CED. The choice of employers was based primarily on the regional location of these organizations, as well as providing jobs for specialists in the field of fisheries.

The university forms modular educational programs in accordance with the Dublin descriptors, which reveal the competencies of future specialists, which are formed taking into account the requirements of employers. A catalog of elective disciplines (QED) is being developed, which is a systematized annotated list of all disciplines included in a component of choice. The CED contains a brief description of the disciplines, indicating the prerequisites and post requisites of the discipline.

In order to take into account the interests of employers, potential employers take an active part in developing the educational program in the formation of the Catalog of elective disciplines. Such participation in "S.Seifullin Kazakh Agrotechnical University" JSC is provided in the following forms:

1) holding round tables with heads of educational institutions;

2) inviting potential employers to discuss elective disciplines and introducing new disciplines of choice in accordance with demand and production need. Coordinating the amount of hours on the new disciplines of choice.

3) review and examination of catalogs of elective disciplines and curricula of elective disciplines,

4) holding consultations with managers and employees of practice bases for the formation of professional competencies and incorporation of its results into the catalog structure.

The content of the EP and QED and catalog of elective disciplines after reviewing and examination by employers and heads of the practice base is discussed at an expanded meeting

of the department in the presence of students, where teachers responsible for the disciplines offer approximate topics corresponding to the requirements of the labor market.

The content of the catalogs of elective disciplines and the logical sequence of disciplines in them are discussed and approved at a meeting of the Educational and Methodological Council of the University.

The development plan for the EP of the specialty “Fisheries and industrial fisheries” is formed on the basis of the strategic plan of the university, faculty and department and is developed based on the request of employers. The development plan of the EP is aimed at the satisfaction and replenishment of highly qualified personnel in the sector of fisheries government institutions and private property enterprises.

The strategic goal is the implementation of the state educational policy aimed at training highly qualified specialists in the field of fisheries, improving and modernizing the priority directions of the department’s activities that meet the modern requirements of the higher education system.

The main conceptual provisions of the development of the Department of Hunting and Fisheries:

1 Improving the quality of the department through the formation of the trajectory of educational services.

2 The organization of the provision of quality educational services for the preparation and graduation of highly qualified specialists

3 the development and deepening of fundamental research, innovation.

4 Development and implementation of innovative technologies in the educational and research processes.

5 Creating strong and productive relationships with leading enterprises, research institutes, leading universities and research institutes in the near and far abroad.

The development plan of the EP is reviewed and approved with the participation of employers at a meeting of the Department of Hunting and Fisheries, the methodological council of the faculty, the academic council of the Veterinary faculty. The approved development plan is reviewed for compliance with national priorities and strategic goals by the Department of Academic Affairs.

One of the objectives of the Strategic Development "KATU-2025" is the modernization of the educational process through the introduction of unique educational curricula developed

on the basis of its own scientific results with the participation of employers, leading domestic and foreign professors and scientists. To accomplish this strategic task, the following measures are included in the EP development plan:

1 Creation of modern educational and research laboratories for the development of experimental research skills in students;

2 The introduction of innovative learning technologies into the educational process;

3 Targeted training of scientific and pedagogical personnel (PhDs) in universities of Kazakhstan and abroad;

4 Inviting foreign scientists in the field of fisheries from partner universities.

The uniqueness of the EP is that it corresponds to the modern fisheries management in Kazakhstan. This EP reflects quite well all the issues cited in the concept of the development of fisheries in Kazakhstan.

When implementing the EP according to the vision of S. Seifullin KATU, a gradual transformation into an international research university in the field of the agro-industrial complex, in 2013, the Fisheries Research Center was opened. On the basis of the SIC, scientific projects are being carried out in such areas as the development of lake-commercial fish farming, the biological productivity of inland waters of Northern and Central Kazakhstan, the cultivation of new aquaculture objects, the results of which are being introduced into the educational process. Also, in order to closely cooperate and conduct joint teaching, methodical and scientific work is carried out with the Northern branch of KazNIIRH LLP.

Since 2005, S.Seifullin KATU switched to international standards, introduced and certified a quality management system for compliance with ISO 9001-2015. Maintaining the quality management system in working condition is carried out through the improvement of the internal regulatory framework, which consists of more than 300 documents, through the systematic conduct of internal audits, as well as inspection control by the certification body.

The implementation of the EP in the specialty "Fisheries and industrial fisheries" is carried out in accordance with the rules and regulations of the QMS.

The Department of Academic Affairs ensures the development and introduction of fundamentally new technologies into the educational process; supervises the development of working curricula and QED in the specialties of undergraduate and graduate programs; supervises the compilation of the academic calendar and their implementation of educational units of the university; develops proposals and recommendations for the improvement of the

educational and scientific process, controls the observance of the rules of internal order, labor discipline and academic discipline by the teaching staff.

The graduating department implements the educational process according to the disciplines assigned to the department in accordance with the approved curriculum, schedule of the educational process and programs of disciplines at a high scientific, methodical and organizational level using modern multimedia tools for all forms of education. The department provides comprehensive teaching and methodical support.

The department organizes continuous monitoring of the quality of teaching and the development of all assigned academic disciplines. At the meetings of the department, the results of the intermediate and final attestation of students, the sufficiency of the number of current forms of knowledge control in the disciplines and their compliance with educational standards, the level of requirements for conducting and current and intermediate control are analyzed.

The teachers of the department plan and manage the independent work of students.

The department conducts scientific work corresponding to its profile; research works in the field of the theory and methodology of higher education; attracts students to research work; provides organizations with consulting services; participates in the discussion and examination of completed research works; makes conclusions about their scientific and practical importance, and also gives recommendations on their implementation in practice and publication. Carries out in the established order cooperation with the departments of other higher education institutions, including foreign ones, as well as with research organizations on the profile of the department.

The department carries out work on the development, modernization and strengthening of the material and technical base of the department, improving teaching and laboratory equipment, equipping with modern means of computer technology.

The department carries out educational work among students, including through the supervisory system at the University, interacting with student public organizations, student scientific society, participating in events provided for by the annual plans of educational and out-of-class work with students of the University. Responsible for the organization and conduct of educational, pedagogical, professional (production, pre-diploma, research) practices of students.

Organize the preparation of students for the state final certification: develop methodological support for the work of the state certification and examination commissions, form the composition of the ACG and HES; form the focus and themes of final qualifying (theses) works, theses ensure their compliance with the sectoral focus; consider at the meeting of the department reports of the chairmen of the ACG and prepare recommendations for improving the preparation of bachelors, masters, doctors.

Analyze data on the employment of their graduates, maintain permanent contacts with them, study the labor market in the specialty and direction in which they train specialists, participates in career guidance for attracting applicants, and in cooperation with the University's career department work on the employment of graduates individual tripartite contracts of students with the University and enterprises, institutions and organizations.

The functional responsibilities of the structural units involved in the implementation of the EP are given in Table 1.2.

Table 1 - Functional Responsibilities between Responsible Employees and Structural Units Implementing EP

№	Management	Structural divisions of managements
1	Department on academic issues	Registration Department
		Department of Postgraduate Education
		Division of enrollment
		Student service center
2	Faculty of Veterinary and Livestock Technology	Department of hunting and fisheries
		Department of Veterinary Sanitation
		Department of Microbiology and Biotechnology
		Department of Biological Sciences
3	Chairs, leading DTE	Department of Information and Communication Technology
		Department of Foreign Languages
		Department of History of Kazakhstan
		Department of Physical Education
4	Centers, laboratories	Fisheries Research Center
		Laboratory of Decorative Fish Farming
		Biotechnology Research Center
		TRIMS "Dudarai"

		Northern Branch of the Kazakh Research Institute of Fisheries LLP
5	Library	Departments, reading rooms, Internet class

Table 2 - Functional duties between the responsible employees and the structural units implementing the EP

№ p/p	Structure	Direction of activity
1	Department of hunting and fisheries	1 Educational and methodical section of the department
		2 SRW and SRWS of the department
		3 Educational section of the department

The academic council of the university provides the creation of the necessary conditions for students and faculty of the university in order to better implement the professional curriculum; financial support, strengthening the material and technical base of the university; promoting the further development of the university. The competence of the Academic Council of the University includes: the strategy and tactics of the development of the university, the main directions of international activity; creation, reorganization and liquidation of educational and scientific departments of the university (laboratories, departments, faculties (institutes) and others); definition of the concept and the program of development of the university; making decisions on all issues of organizing educational research and economic activities of a higher education institution, including defining the list of specialties, new specialties of preparing higher basic education and magistracy, on organizing and improving methodological support, on current monitoring of progress, intermediate and final certification of students; approval of research plans and the report of the Deputy Chairman of the Board on strategic planning, science and international relations, the Deputy Chairman of the Board on educational work; consideration and recommendation for the publication of textbooks and teaching aids and teaching materials; approval of topics and scientific advisors of undergraduates and doctoral candidates for dissertation research.

The faculty council considers the main issues of the faculty activities and development. The work of the faculty council is determined by the work plan for the academic year.

Functions of the faculty council:

- listens to the reports on the conduct of basic activities for the development of the educational process, the improvement of its methodological support and the organization of independent work of students;

- listens to the reports on the organization of educational work;

- reviews research plans and reports;

- listens to the reports of the dean's office, departments and individual teachers on the results of activities;

- analyzes the state of the departments of the faculty on educational, methodological, scientific, and educational work with students;

- considers the state of the level of training of students, undergraduates and doctoral students and other issues related to the election.

- recommends for approval by the Academic Council of those dissertations of students of postgraduate education;

- recommends for approval documents - IWPs, EP, and others.

- recommends applicants among students for the replacement of vacant educational grants;

- recommends applicants among students for presidential, nominal and other scholarships;

- recommends faculty members to receive scientists, academic titles, honorary worker titles and letters of appreciation;

- consider and approve questions of final certification of students;

- considered candidates for the post of dean of the faculty

Formation of the development plan for the EP is absolutely transparent. The university ensures that stakeholders are aware of the content of the EP development plan and the processes of its formation through the university website.

Every year, the functioning of the internal quality assurance system by the program management, the heads of the structural units, is monitored and decisions are taken. When managing and monitoring, the management of the program monitors the development and availability of methodological documentation on EP disciplines - work programs of disciplines (syllabus), educational and methodical complexes of disciplines, educational and methodical literature.

At an expanded meeting of the department in the presence of employers and users of natural resources, the content of the EP is discussed to improve it based on the development of the concept in fisheries, the master plan for the development of commercial fish farming and on this basis to identify the main directions for training highly qualified specialists in the industry. As a result of the meeting, it was decided to include in the list modern disciplines that meet the requirements of time and the labor market, to extend the duration of production practice from 11 weeks to 18 weeks in order to cover all technological processes in fish farming.

In order to improve the quality of the study area, the Aquaculture Research and Development Center operates in the Department of Hunting Management and Fisheries for innovative cultivation of aquaculture using the aquaponic fish growing system in the greenhouse complex, growing freshwater Australian crayfish, etc.

In order to continually improve, the University Council considers the implementation and adjustment of the EP development plan.

The management of the EP in the formation of the development plan of the EP systematically identifies the risks involved. The development plan for EPs is annually analyzed by the participants in the implementation of EPs (department, faculty).

The report on the implementation, efficiency and effectiveness of the EP development plan is created by the head of the EP and reviewed at the University Academic Council. During the monitoring, the implementation of the plan is checked, the compliance of the results of the processes with the planned indicators (performance), the performance is discussed, an assessment is given, and corrective actions are taken to eliminate deficiencies and omissions in work, if necessary.

Risk management includes the use of logical and systematic methods for: maintaining communication and consulting throughout the process, classifying risks, determining the likelihood of their occurrence, setting context for determining, analyzing, evaluating, considering the risk associated with any action and process, developing a risk map; monitoring and review of risks; compiling a report. Next, risk identification is carried out - the process of detecting, recognizing and registering risks.

The process of identifying risks includes identifying the causes and source of the risk (danger in the context of physical harm), events, situations or circumstances that may have a material effect on the objectives and the essence of such influence.

After identifying the risks, a risk assessment is carried out that is part of risk management. Risk assessment is a structural process that determines the impact of goals, and analyzes risk through sequences and their likelihood before determining future reviews.

The basic principles of risk management include policies, procedures and organizational measures that will implement risk management throughout the organization at all levels. Since the main process in “S. Seifullin KATU” JSC is the provision of educational services and research activities, the assessment of the degree of risk in the educational program is carried out at least once per academic year.

By November 1 of the current year, process managers identify risks with the development of a risk management plan, in accordance with the form set out in the Regulation on the procedure for determining and managing risks in S. Seifullin Kazakh Agrotechnical University.

According to the results of analyzes and reports by the management of the EP, risks were identified to reduce the number of students. The reason for this risk is the allocation of not enough state educational order for training specialists with higher education (30 grants for the Republic of Kazakhstan for 2018) and masters (4 grants for the Republic of Kazakhstan for 2018) in the specialty "Fish and industrial fishing". In order to eliminate this risk, employees of the Department of Hunting and Fisheries conduct career guidance to attract students in schools of the Republic of Kazakhstan and colleges. The main contingent of students are students on a fee-based basis.

One of the risks identified is the absence of a doctorate in the specialty “Fisheries and industrial fisheries”. The staff of the department prepared the entire package of documents in the MES of the RK to obtain a license for the preparation of PhDs in this specialty.

In order to fulfill one of the directions of development of the university in the long term period is the development of multilingual in the implementation of the EP. In this regard, one of the funding articles is the training and internship of the teaching staff for the study of English.

The Department of Academic Affairs, by November 1 of this year, provides for the collection and analysis of risk assessment for educational programs. According to the template, the heads of educational programs fill in the data in the AIS “Risk Management”, a mandatory step is to fill in the “Supporting documents” column for each criterion.

Quality management and the implementation of the EP is carried out by the academic council of the university, the department of academic affairs, the council of the faculty, the methodical council of the faculty, the dean's office, the head of the department, the committee on curricula and programs, curators and advisors of academic groups, student self-government. The curriculum and program committee and academic group advisors are approved by order of the chairman of the board. Student assets are selected from among the activists of the group and the course and are approved by the decree of the dean's office. The faculty council includes leading professors and associate professors of the Department of Hunting and Fisheries, which is approved at the beginning of the school year, with full right to vote.

During the academic year, at the implementation of the EP, extended meetings of the department are systematically held with the participation of employers by the director of the Northern branch of KazNIIRH LLP Kurzhykaev Zh.K, the Chairman of the Board of public association “Society of Hunters and Fishermen of Astana and Akmola region” I.I. Mironchuk, student of the 4th course of the 416th group Ikrambaeva A., the 3rd year students of the 316th group Saulebekova M., Imbaeva D., the 3rd students of the 315th group Zhumaseyit J., Dulatov D. and teaching staff of the department of hunting and fishery.

The meeting actively discusses the content of the EP and measures to improve the quality of the EP, while listening to the views of each of those present at the meeting. Employers proposed to include in the curriculum the following disciplines: "Artificial reproduction of fish" - Kazakhstan hatchery, for the discipline "Theory of formation of fish stocks" - The main patterns of the dynamics of the number and biomass of fish populations, for the discipline "Design of fish farming" - Design of lake-commercial fish farms on the discipline "Fishery Hydraulics" - Fish protection devices and fish protection structures. Students proposed to include in the program of disciplines innovative methods of growing new aquaculture objects, the use of modern instruments in research (ultrasound machine, electron microscope, GPS navigators). The goal of attracting employers and students is to improve the EP by adjusting the disciplines and the educational process with the introduction of suggestions and recommendations. The representativeness of stakeholders is guaranteed by the professional activities of employers in the fishing industry and the direct participation of students and teaching staff in the educational process.

Processes of changes in the implementation of the EP are analyzed by studying the legislative documentation of the Republic of Kazakhstan (master plan for the development of commercial fish farming for 2013-2020, the concept of the development of fisheries). Employers are surveyed in order to prolong professional practices, introduce new elective disciplines that meet modern requirements, determine the terms of professional practices and dual training. The effectiveness and efficiency of changes in EP is expressed in the quality of graduate training and employer feedback.

Innovative technologies are being introduced into the educational program rather actively using the base of the Aquaculture Research Center. In the educational process, modern technological processes are used to grow new aquaculture objects using various types of closed-circuit water supply facilities, aquaphone plants, and incubation apparatus. These technologies are used in the study of discipline Aquaculture (G.A. Aubakirova), Hydrobiology (T.D. Zhamanbaev), Ichthyology (T.D. Zhamanbaev), RAS Operation (Zh.B. Kuanchaleev, E.B. Marlenov), Technology cultivation of aquatic organisms (G.A. Aubakirova). There is a collection of commercial ichthyofauna.

Innovative offers from employers was the study of varieties of installations of closed water supply and their operation, according to the results of these offers, the discipline "Operation of RAS" was introduced.

The students at the extended meetings of the department offered to introduce new aquaculture objects into the training process, in particular the cultivation of crustaceans, shrimps and live food, which are reflected in the discipline "The technology of growing hydrobionts".

The university’s website has a rector’s blog, which is constantly accessible. All requests coming to the rector's blog from students and employers have feedback. There are hours for the reception of the Chairman of the Board, Deputy Chairmen of the Board, heads of departments, Dean of the Faculty, Head of the Department. Consultation time for teaching staff of students are given in the syllabus.

The head of the department as the head of the EP is trained in educational management programs at various seminars held at the university. The head of the EP participated in the training seminar "Intrauniversity system of ensuring the quality of education" in April 2018.

The management of the EP in the external quality assessment showed the results of the opening of the Research Center "Fishery", the use in the educational process of growing

sturgeon on intensive feeding with starter and production fodder, the creation of a closed cycle of water supply during mechanical and biological treatment. In the previous accreditation, intensive work was carried out on the preparation of educational and methodical literature in the state and Russian languages to the disciplines of the basic and profile cycles. In 2009, following textbooks were released “Hydrobiology” by T.D. Zhamanbayev, “Fish feeding” by B.N. Grigoriev, “Decorative fish farming” by K.N. Syzdykov, A.T. Zhaparova, in 2010, "Design of fish farms" by A.T. Zhaparova, S.S. Rashitov. In 2013, the textbook "Ichthyology" was published in the state language, the authors of which are Zh. Kurzhykaev, K.N. Syzdykov, T.D. Zhamanbayev, in 2014 the following textbooks were published Zh.K. Kurzhykaev, K.N. Syzdykov, A.T. Zhaparova, K.S. Orazgalieva “fish industry”, G.Aubakirova “Aquaculture” in Russian language, Zh.K. Kurzhykaev, I.V. Moruzi, K.N. Syzdykov, G.A. Aubakirova “Aquaculture” in the state language.

This work on the preparation of educational literature is continued, and to date covering those disciplines for which there is a shortage of EML. In 2015, the textbook “Technology of hydrobiont cultivation” by Aubakirova G.A. were published in the state and Russian languages. In 2016, I.V. Moruzi, E.V. Pishchenko, G.A. Aubakirova, K.N. Syzdykov, K.Sh. Nurgazy published a textbook "Aquaculture" in Russian language, G.K. Barinova published a textbook "Hydrotechnics of fish industry", K.N. Syzdykov, A.T. Zhaparova published a study guide "Toxicology of water bodies". In 2017 Zh.K. Kurzhykaev, G.A. Aubakirova published a textbook "Aquaculture" in the state language, A.S. Asylbekova published a textbook "Fishing", K.N. Syzdykov "Scientific research in fisheries."

The material and technical base at the time of the assessment of past accreditation and currently equipped with the necessary funds for educational and research works. From 2009 to 2013, a biofilter, electronic scales, OLIMPUS and Bimed microscopes, GPS navigator, nitranizer, plastic pools from 500-700l, underwater video camera, interactive board, multimedia projectors, boat, electric motor for a boat, echo sounder were purchased.

From 2014 to 2017 200l of aquariums were purchased, incubation apparatus.

Weiss, drum mechanical filter, binoculars, oxygen generator, lag-echo sounder, oxygen device, Soxhlet device, projector, ultrasound scanner, thermo-oximeter. SWOT analysis according to the standard "Management of the educational program" is given in Table 3.

Table 3 - SWOT analysis according to the standard "Management of the educational program"

Strong points	Weak points
1. Educational programs in its successful implementation will provide high-quality training of specialists in accordance with the requirements for this specialty; 2. The growing market needs in the development of commercial fish farming; 3. Ensuring the awareness of interested parties; 4. The high level of qualifications of the faculty	1. The low level of basic training of applicants entering the agricultural specialty.

Conclusion. The implementation and management of the educational program in the specialty "Fisheries and industrial fisheries" are carried out in accordance with the strategy and mission of the strategic development plan "KATU-2025", on the basis of which the EP development plan for 3 years is formed, indicating the main objectives and types of activities to improve quality work of EP. The development plan of EP is developed with the participation of faculty, employers and students. In the process of improving the quality of EP and according to the results of research work of the faculty of the department, new disciplines "RAS Operation", "Hydrobionts of plant origin", "Siging" and "Breeding in fish farming" were included in the educational process. The department conducts dual training up to 30% of practical classes on the basis of the Research Center "Fisheries" and the Oceanarium "Duman".

The specialized profile “Management of the educational program” contains the following self-assessment of compliance: according to the criteria, the EP has a strong position - 5, satisfactory - 11, suggests improvement - 1.

3 INFORMATION MANAGEMENT AND REPORTING

The processes of managing and regulating information and monitoring implementation are carried out by the university administration, departments, divisions, and heads of departments. The recording of incoming and outgoing information is carried out in the logs. Responsible for their implementation and accuracy are the heads of departments, responsible in the department for the various sectors: research work, employment, educational work, career guidance, educational and methodical work, advisors, curators, leading teachers.

The main information flows are presented in the form of representatives of the administration, departments, divisions, faculties, departments.

The analysis of information at the department is carried out through the holding of department meetings, planning meetings, seminars. Received information is communicated to faculty and staff, heard at meetings and planning meetings of the department, and then there is a discussion and decision-making with the appointment of responsible executives and deadlines for the information received. Control over the implementation is assigned to the head of the department. For example, the received information from DAI on the development of new working curricula for specialties of the department by May 25, 2018 at a meeting of the department is entrusted to the person responsible for educational and methodical work, deadlines are set. The head of the department asks about the execution of the assigned work at the appointed time and is sent to the requested department.

The university has implemented information management processes using the educational portal (http://portal.kazatu.kz/) AIS "Business Trip", AIS "Electronic Curator's Journal", AIS "Personnel", AIS "Risk Management", the system "PLATONUS". In the educational portal in free access documents of S. Seifullin KATU and carried out personalized access to information on the management, planning and implementation of EP (curriculum, teaching materials, timetable, the results of the assessment of students' knowledge, etc.). Operational management of the exchange of information between departments is carried out through the electronic document management system.

The EP manual disseminates information on all aspects of developing, forming, approving and implementing a plan for faculty members, students and employers through

electronic document management, as well as at meetings of the EMC, academic council (employers and students), in divisions at meetings of departments (employers and trainees). For students, information is provided by curators and advisors.

Teachers, employees and students receive the main provisions of EP through the electronic document management of the university, meetings of the EMC, the academic council of the faculty, the university, the department meetings, students on curatorial hours.

The EP's management guarantees that students, employees, teachers and partners including employers, informed about the latest changes in the development plan of EP and plans to change it through an accessible educational portal of the university, additionally at the meetings of the department, academic councils, and students on curatorial hours and information advisors.

On the processes of formation and implementation of the development plan for EP, interested persons can get on the university website in the department section (http: // kazatu.kz/ru / obrazovanie / fakulteti / fakultet –veterinarii - i - tehnologii-jivotnovodstva / kafedra –ohotovedendeniya - i- ribnogo -hozyaystva /), also by email. When meeting with interested persons (employers, students, teaching staff) during a round table and graduate fair, the implementation of the EP development plan is discussed

S.Seifullin KATU ensures the confidentiality and integrity of information stored in the databases of information systems. Access to data has only users who have the right to it. For user authentication, login and password is used.

The following information stored in university information systems is protected:

- credentials of students and staff;
- data relating to the educational process (assessment, attendance, etc.);
- teaching materials, scientific papers;
- final qualifying works and master's theses;
- test data

Work in the IS is carried out directly by appointment, for example, the AIS “Business trip” is filled out before going on a business trip, and on the basis of this application, an order for a business trip is issued through the ARTA program, the AIS “Curator’s Electronic Journal” program sticking reports on the activities of the academic group curator. AIS "Personnel", where faculty members give the results of achievements of educational, methodical and scientific works.

The EP Guidelines to improve the quality of programs use the proposed additions and suggestions of employers, students and teaching staff. As a rule, employers and trainees make additions and proposals to the information on the EP at meetings of departments, academic councils of faculties, as well as educational ones make their proposals on curatorial hours and advisors. Employers make their proposals on the means of official letters, round tables.

In the university, the educational portal (http://portal.kazatu.kz), the programs "ARTA", "PLATONUS" are used as information systems.

Information system in S.Seifullin KATU is carried out through the following channels:

- through the official website of the university;

- through visitors S. Seifullin KATU in the line of specific enterprises and organizations;

-through exhibitions held at the university, graduate fairs, conferences, round tables, forums and other information missions in which S. Seifullin KATU takes part;

- through the coverage of the university's activities in the regional and republican mass media: printing presses, the annual holding of open doors in the regions, cooperation with media representatives, municipal departments and organizations of the region, participation of top management in the discussion of topical issues on television.

As a rule, the proposals and additions of employers and students are discussed at the meetings of the department, are considered at the EMC and the academic council of the faculty, and then with the approval of the proposal and recommendations are submitted to the EP. Example: new elective disciplines are introduced - operation of closed water supply installations, artificial reproduction of fish; changed the terms and duration of professional practices.

The Department "Hunting and Fisheries" in accordance with the position of the QMS on the activities of the department monitors the work carried out by the teaching staff with the corresponding reporting work. Employees and teaching staff of the department carry out semi-annual and annual reporting on the implementation of individual curricula. The head of the department forms the annual report of the department, which reflects the activities of the department in the educational, research, and organizational-methodical activities. The department presents reports of the activities of advisers, research works, curators, SRWS.

In addition, reports on the results of inspections of the work of various commissions planned by the academic councils of the faculty and the university are provided. Students are

provided with reports on the results of professional practice, which are heard at the meeting of the department and evaluated by members of the commission.

The final attestation of students is reflected in the reports of the chairman of the SJC. In addition to the progress of the final assessment, the report reflects comments and suggestions. Based on the comments and suggestions of the Chairman of the SJC, the department develops a plan for the implementation of comments and the head of the department provides a report on the academic council of the faculty. Internal reporting in the university is based on the position of the QMS.

Based on the result of the reports, decisions are made on their implementation or approval. For example, on the basis of the report of the Chairman of the SJC, measures are being developed to eliminate and implement the comments of the proposals. Based on the planned activities, the head of the department provides a report on the implementation and reports to the academic council of the faculty.

Collective bodies are involved in the evaluation process of the EP - faculty and university EMS, academic councils of the faculty and university, curriculum and work program committees, vice-rector for academic work, director of DAI, deans, department heads, employers, students, teaching staff

Formation of the report is carried out by summing up the results of activities in the implementation of EP, which includes such forms of activity as educational, research, organizational and methodical, which summarize various kinds of measures to improve the quality of EP and carry out risk analysis.

Every year, the head of the department performs an annual report on the implementation of the EP at the Faculty Academic Council. The report on the implementation of the EP and compliance with the implementation of the goals and objectives and measures to improve the quality of the EP is monitored by the structural units.

In its activities, the university and the department constantly receives and generates various kinds of information. Sources of information are divided into sources of primary information and sources of secondary information.

The sources of primary information are various subjects and objects. To obtain information from sources of primary information, the university uses field methods of collecting information that record the facts of the behavior of the object (subject) under study at a specific point in time. Documents that contain this information are called primary

documents or primary sources of information. Sources of secondary information provide information about the object of research, previously collected for other purposes. This information is collected by the desk methods of collecting information.

In order to determine the reliability of the results, the university and the department use the following principles: confirmation of it from at least two independent sources; verification of the lack of interest of the source of information in its content; comparison of the obtained information with the already known on this topic; validation of the information obtained from reputable experts; requesting at the source of information additional details confirming the truth of the main message.

The university has implemented information management processes, including collection and analysis. Maintenance of the mission, goals, objectives and evaluation of their effectiveness is carried out in accordance with the current documented procedures "Analysis by senior management."

Responsible persons are determined in accordance with official duties on the requirements of the QMS and approved by order of the Chairman of the Board.

The university ensures the confidentiality and integrity of information stored in the databases of information systems. Access to data has only users who have the right to it. For user authentication, login and password is used.

Students, employers and teaching staff are involved in the process of collecting and analyzing information and making decisions on their basis by participating in meetings of the department, EMC, Academic Councils of the faculty and the university, through open access to the educational portal of the university. In addition, there is a survey of faculty and students. Surveys were conducted by the faculty on a sociological survey of job satisfaction with students who were surveyed for corruption and the quality of education.

Feedback is carried out by concluding agreements on the provision of professional practice bases, conducting dual training, presenting information on new elective disciplines, and giving lectures to students.

The system of informing and feedback is carried out according to the QMS PSI QMS Regulations on the Council for Informatization of S.Seifullin KATU JSC and the JITC QMS 12030 - 2014 "Regulations on the Department of Information Technologies".

To measure the degree of satisfaction of the needs of faculty and staff, the university conducts annual surveys using questioning the activities of various services and departments

of the university. For students, the principle of questioning “The teacher - through the eyes of students” is applied. At the end of the school year, a “Quality of Knowledge” survey is conducted, where students evaluate their teaching staff on a 5-point scale. A summary table of the results of the survey is sent to the leadership of the EP by ARTA.

The degree of satisfaction of the needs of faculty and staff in the framework of the EP is estimated by conducting systematic certification and competitions for filling vacant positions upon expiration of the employment contract by the university management. Students are evaluated on the basis of the results of the final control of theoretical and practical training, typing a certain number of GPA to transfer from course to course and graduate from university.

Evaluation of the effectiveness and efficiency of information is carried out by conducting a survey of competent experts - employers of representatives of fisheries. The performance is assessed by the quality of training, as evidenced by the results of the SJC and feedback from the chairmen of the SJC and employers. Efficiency is determined by the stability of the EP in the process of training specialists, and also, the content of the study program is determined by the fact that in the study program 55% of disciplines are represented by modern technological methods in fish farming.

The development plan of the EP is drawn up for 3 years and the latest changes in the plan are reflected on the website of the university in the department section and are available to all interested persons.

Evaluation of the effectiveness and efficiency of the implementation of the EP is due to the feedback submitted by employers, petitions, expanding the base of the practice, etc. The criterion for the effectiveness of the implementation of EP is the successful completion of practical training and their further career development. Employment of graduates is monitored by responsible persons for employment in the department and faculty. In recent years, the employment of graduates is 80-85%. Tatiana Litosh entered the magistracy at the Novosibirsk State Agrarian University, Kim Y. and Abenova I. entered the magistracy at S. Seifullin KATU. Abzhanova G., Chief Ichthyologist, State Enterprise “PCP” “ZhasNur” of akimat of Astana city, Musin S., researcher of the Research Center “Fishery”, Yerulan A. ichthyologist in the Department of Agriculture of Kyzylorda akimat. Magistracy graduates R. Kerimabayev currently assistant professor of hunting and fisheries, Bahiyanov Ayan, deputy chairman of the Almaty Regional Territorial Inspection of Forestry and Wildlife, expert of the Committee of

Forestry and Fauna of the Ministry of Agriculture of the Republic of Kazakhstan. In the dynamics of students there is a decline, in connection with the allocation of educational grants in small quantities, are shown in Table 4.

Table 4 - The dynamics of the contingent of students in the specialty "Fisheries and industrial fisheries

Academic year	Full-time form of education		Extramural education		Total
	Kazakh groups/grant	Russian groups/grant	Kazakh groups/grant	Russian groups/grant	
baccalaureate					
2015-2016	72/26	58/26	-	-	130
2016-2017	60/15	42/19	-	-	102
2017-2018	32/9	24/10	3	4	63
magistracy *					
2015-2016	4	-	-	-	4
2016-2017	2	-	-	-	2
2017-2018	1	-	-	-	1

* master courses are taught in multilingual education.

The students' academic progress is monitored by university departments, as well as by curators of academic groups, who are discussed at curatorial hours and sent letters of commendation to parents of excellent students (M. Saulebekova, D. Imbaeva, A. Serikkali, A. Ikrambaeva). On average, the academic performance of students in the specialty “Fisheries and industrial fisheries” for the 2015-2016 academic year was 2.91; the 2016-2017 academic year - 2.95, the 2017-2018 academic year - 2.96, respectively.

Students annually participate in republican subject olympiads. In the 2016-2017 academic year, A. Gatiat took 2nd place, A. Ikrambaeva - 3rd place, 2017-2018 academic year D. Imbaeva, M. Saulebekova took 2nd place. Also, students actively participate in the scientific clubs of the department developing their abilities. According to the results of the participation of the competition of students' scientific works, A. Zhumamurat, B. Zhumash - 2nd place, T. Litosh - 3rd place in the national competition SRWS (2016-2017 academic year), G. Abidinova - 1st place, G. Abzhanova - 2 place, D. Basalov - 3rd place in the internal competition for scientific research work of students (2017-2018).

The choice of the educational trajectory of students is conducted by the adviser in accordance with the standard curriculum and the amount of workload hours.

Students' satisfaction is assessed by questioning “The quality of knowledge”. According

to the results of the survey of students were obtained positive results.

The university has implemented the Platonus system, where students create their individual curricula and can track their academic achievements. In addition, in the personal account of each student there is a questionnaire where they can give an assessment to teachers conducting disciplines. Access to the system is free.

The employment of bachelors in the last 5 years ranges from 71 to 91%, masters - 80-83%.

Masters of 2016 are currently working Yerasyl Suykbayev –expert of the Committee of Forestry and Wildlife, Ministry of Agriculture of Kazakhstan, A. Bahiyanov - Deputy Head of Almaty Regional Territorial Inspection of Forestry and Fauna, Ministry of Agriculture of Kazakhstan. The graduate student of 2017 R. Kerimbaev was left at the department of hunting and fisheries as an assistant.

At present time, Zhaparova A.T. is enrolled in the target program in doctoral studies at the L.N.Gumilyov ENU.

Consent to the processing of personal data is indicated when applying for a job in the employment contract.

Technological support for teachers is provided through the provision of computer equipment, classrooms with multimedia equipment, specialized classrooms; through the provision of technical assistance in the design of coursework, electronic textbooks, test items, the publication of methodological and scientific literature, electronic journals of teaching load, the creation of an electronic portfolio. The electronic library is available in all educational buildings on the corporate network and via the Internet. Teachers and students have the opportunity to use a variety of subscription domestic and foreign databases. The university provides free access to teachers and students to the Internet.

In order to improve the quality of the educational program, the department constantly improves material and information resources.

Thus, information and communication technologies have a dynamic development, are accessible to students and contribute to obtaining a deep theoretical knowledge in the field of forestry.

Ways to address the weaknesses is to support the authors of educational and methodical literature in English by reducing the teaching load; The high age of graduate teachers is reduced by training their own staff through doctoral PhD. A SWOT analysis of the results of

the self-assessment of the “Information Management and Reporting” standard is given in Table 5.

Table 5 - SWOT-analysis of the results of the self-assessment of the standard "Information Management and Reporting"

Strong points	Weak points
1) Well-organized system work on the functioning of the system for collecting, analyzing and managing information; 2) The availability of the university's Internet resources as in the internal network of S.Seifullin KATU and the international global Internet; 2) Compliance of the system of monitoring and ensuring the quality of education with regulatory requirements and process continuity; 3) The educational portal of the university meets modern requirements, works around the clock, 4) The Electronic Library provides users with access to electronic information at the local and remote levels.	Insufficient functioning of the feedback-oriented system on students, employees and interested persons in matters of employment.
– favourable opportunities	**- threats**
1) The possibility of multidimensional processing and reuse of information using an electronic library 2) Improvement of the educational portal through access to infocommunications will allow to strengthen training using distance learning technologies.	1 Insufficient analysis of incoming information on the implementation of the EP with the identification of possible risks and threats

Conclusion: the university has implemented information management processes; the volume and structure of periodically updated information corresponds to the development strategy of the university; ensured modernity, accuracy, completeness of information and its preservation; collection, analysis and management of information ensures the quality of the implementation of the EP; information is analyzed to identify and predict risks.

Specialized profile of EP "Fisheries and Industrial Fisheries", contains the following self-assessment of compliance for standard 2 "Information Management and Reporting": by 15 criteria has strong positions, satisfactory – 2

4 DEVELOPMENT AND APPROVAL OF THE EDUCATIONAL PROGRAM

The quality assessment of the EP is carried out by annually discussing the EP at the end of the academic year at the meeting of the Department of Hunting and Fisheries with an invitation of employers (Zh.K. Kurzhykaev- a Director of the Northern branch of LLP "KazNIIRH", D.N. Gudyna - a director of the fish farm "Maybalik"). The basis for the development of EP is, first of all, the proposals of employers, as well as teaching staff of the department, who put forward their wishes on the disciplines of the complex of choice. EP discussions with employers are also held at the annual job fair held in January.

The developed EP is provided to the EMC and the Academic Council of the Faculty and is approved by the University Academic Council. Responsible for conducting these procedures are the head of the department and members of the committee on curriculum and work program.

The EP is reviewed by employers in the fisheries sector, in particular, Zh.K. Kurzhykaev - Director of the Northern Branch of LLP KazNIIRH, I.I. Mironchuk - Chairman of the Regional Society of Hunters and Fishermen in Astana, D.N. Gudyna - Director of the Maybalyk fish nursery.

As a result of the discussion of the EP with employers, teaching staff and students in the EP, disciplines were introduced: artificial fish farming, cage, pond fish farming, sigording, operation of ultrasound, decorative fish farming. These disciplines reflect the modern essence of fish farming, new technological processes.

Employers are involved in designing the implementation of the EP on the basis of a bilateral service agreement, which includes both dual training and work experience and discussion of the EP. The choice of employers involved in the design and implementation of EP is carried out according to the principle of compliance of their specific specialties, qualifications, experience in the fisheries.

In the implementation of the EP, the main goal is to train qualified specialists in the fisheries sector for state and private institutions. These goals are determined on the basis of the Fisheries Development Concept of the Republic of Kazakhstan, the requests of employers,

users of natural resources. The results of training at the university are determined on the basis of current, mid-term and final control.

The model of a graduate in the specialty of fisheries and industrial fisheries is the possession of a professional (readiness, aspiration to work in the professional sphere of activity) and social (aspiration and readiness to live in harmony with oneself and others) competencies.

The model of the graduate of the EP was developed with the participation of faculty members, employers and the students themselves. In particular, from employers, employees of the Northern branch of KazNIIRH LLP and the Regional Society of Hunters and Fishermen of Astana city took an active part. The basis for the development of the model of the graduate of the EP was primarily the provisions made by the standard program of the specialty and recommendations of the employers of the teaching staff and students.

The content of the graduate model of the EP a significant role plays the influence of the level of training, in the specialty of fisheries and industrial fisheries, the creation of the Aquaculture research and development center influenced the quality. The base of which is equipped with modern technical means and teaching directly practical skills reinforce theoretical knowledge. In addition, a large role in the preparation of students in accordance with the model of a graduate of the OP played cooperation with the Northern branch of KazNIIRH LLP. The trainees are trained at the enterprises with which the department has concluded tripartite agreements, and these enterprises are oriented in the specialty.

First of all, the graduate model reflects the gradual acquisition of professional skills - in the first or second courses the learner acquires mainly social competences, and in the third and fourth courses and in the process of training in the magistracy he already acquires professional competencies.

When compiling a graduate model for a specialty specialty, employers are invited (the Northern branch of KazNIIRH LLP - the director Kurzhykaev Zh.K., the Regional Society of Hunters and Fishermen of Astana - Mironchuk II), as well as a preliminary survey by the curators of students their visions of a fishery specialist. At the meeting, the department discusses the faculty and employers and forms the model of the graduate of the EP.

Verification of the graduate model is carried out by calving of the QMS, the Department of Academic Affairs, the UMC and employers, and the validation is carried out by employers in the specialty.

Education in the specialty “5B080400 / Fisheries and Industrial Fisheries and 6M080700 / Fisheries and Industrial Fisheries provides conditions for:

- acquiring a high general intellectual level of development, mastering colloquial Kazakh (Russian), foreign languages, thinking culture and skills in the scientific organization of labor;

- high-quality mastering of professional skills in the field of fisheries, the formation of fundamental theoretical training of future bachelors for the transition to the second and third levels of higher professional education (magistracy);

- formation of graduates' competitiveness in the labor market for the fastest possible employment in the specialty and professional growth, the choice of individual programs in the field of education.

In accordance with the requirements of the QMS, a mandatory external examination of the EP is carried out.

The specialists of the profile of the specialty and in particular the employees of the Northern branch of KazNIIRH LLP, director Kurzhykaev Zh.K., Akhmedinov S.N., the Regional Society of Hunters and Fishermen of the city of Astana Mironchuk II, and the Maybalyk fish nursery director Gudyna D.N., and employee Sadykov D.M.

The main criteria for external experts are their compliance with the specialty, work experience, appropriate qualifications, competence.

External experts gave suggestions on professional practices, transfer to earlier terms and extension of the practice, on the basis of their proposal, practices were postponed to the month of May in order to cover the spawning period in fish.

The qualification level of graduates of the EP is determined by conducting final certification, which includes the state exam and the protection of theses or projects.In accordance with the TUP specialty, graduates are awarded an academic bachelor's degree in fisheries and industrial fisheries, as well as a master of agricultural sciences in the specialty of fisheries and industrial fisheries.Qualification of graduates is determined in accordance with the NRC: a state attestation commission is created on the basis of an order of the Ministry of Education and Science of the Republic of Kazakhstan and a chairperson of the SAC is appointed, members of the SAC are appointed by order of the rector. The department draws up a schedule for conducting the GAK and the defense of diploma works (projects) and, in accordance with the schedule, examinations are taken and diploma projects (projects) are

defended. Examinations SAC are held on the ticket system, the ticket has 3 questions. Tickets are compiled by leading teachers of the department, the questions cover all disciplines of the mandatory component of the basic and major cycles.

The decision to confer qualifications is made by the chairman and members of the SJC on the basis of the results of examinations and the protection of theses (project) by graduates.

The qualification level of graduates is determined by the chairman and members of the SJC on the basis of the completeness of answers to exam questions and the quality of defense of theses (projects).

The decision to award qualifications to graduates is made collectively with the participation of the chairperson of the State Attestation Commission and members of the commission based on the results of examinations and the defense of theses (projects).

Professional standards in fisheries and industrial fisheries are under development, in 2017 professional standards were presented, but they did not meet the requirements and the Committee of Forestry and Conservation of the Animal World rejected it.

The trainee's qualification is determined in accordance with the competencies of the specialty of fisheries and industrial fisheries. The assignment of qualifications was carried out on the basis of the results of the answers to the questions posed for the SJC exam and the results of the thesis defense (projects). The teaching staff has information about the results of training, including the assignment of qualifications, as they are invited when announcing the results of the GAC and the thesis defense. In addition, the results of qualification assignment are reflected in the order of the university, which is delivered to all students and teaching staff.

The correlative relationship with the level of education can be traced in the results of the final and current control of the student.

The level of education is vividly illustrated by the results of the protection of students' theses, all works, without exception, reflect a professional approach to research. Theses cover the issues of both ichthyologists and hydrobiology, issues of fisheries, and at the same time, the works reflect the topics of labor protection, environmental protection, and in individual works and economic efficiency.

The list of disciplines offered for studying the student is provided by informing them on the department’s sites, the PLATONUS base, on introductory lectures in the specialty, as well as being informed by curators and advisors. The disciplines of the elective series are presented in the catalog of all disciplines of specialties of the department.

The EP presents modules in which two or three disciplines of choice are indicated, the student has the right to choose those disciplines which in his opinion characterize his professional competence to the full.

The relevance of the disciplines specialty is determined by the introduction of new disciplines offered by employers. They offer disciplines that are in demand in fisheries. For example, in Kazakhstan aquaculture is rapidly developing, employers offer disciplines of such a nature as artificial cultivation of fish, operation of closed water supply installations, sturgeon culture, cage farming, etc. That is, those disciplines that are in demand at the present time.

The introduction of disciplines and increasing the time for passing professional practices proposed by employers created the conditions for more qualified training of specialists in the industry. At present, students of fisheries and industrial fisheries have sufficiently fully mastered the issues of reproduction of new aquaculture objects, such as catfish, tilapia, Australian crayfish, and others, have mastered the operation of closed water supply installations and the management of lake-commercial economy. In connection with this, the demand of nature users for graduates of the specialty has increased.

The contribution of the disciplines to the formation of the main learning outcomes is discussed directly with employers. When accepting a job, they first of all set the conditions for the graduate to be proficient in various methods in fish farming, in particular the operation of closed water supply installations, artificial reproduction of fish, precisely those disciplines that the student already owns.

The EP of the specialty held discussions with employers on professional practice, on the basis of proposals from employers, the terms of the internship were postponed, and the deadlines were extended. This proposal was accepted for one purpose, with the goal of full coverage of fish-farming activities for students. The number of places for the advent of practices, databases of practices was determined jointly with employers. Concluded a contract. Created base practices. The Base practices included full-cycle fish farms. The number of students for internships was determined by employers, taking into account the place of residence of students.

The place of practice corresponded to the learner’s educational trajectory — appropriate material for research work, thesis, compliance with elective disciplines. At the existing enterprise, the student collects materials on the thesis topics, statistics, field studies.

During the period of study, the student undergoes training practice on the basis of reservoirs of the training and production hunting and fishing farm "Dudarai" and the research center "Aquaculture", where he masters the methods of studying the ichthyological and hydrobiological areas; professional practice on the territory of basic fish-breeding enterprises “Maybalyk” fish nursery, Petropavlovsk fish nursery, Duman aquarium, Kamyshlobashsky fish nursery, Chilik, etc. research paper on theses, etc.

Undergraduate practice involves conducting research and writing diploma works (projects) on the basis of internship.

Planning of places of practice and conclusion of contracts takes place by determining the location of the enterprise, meeting the requirements of training specialists in the fishery, namely, does the enterprise deal with the cultivation and reproduction of fish or other aquatic organisms, is there an opportunity to create conditions for conducting professional practice for students (housing, food and etc.), is the head of the enterprise allocated for the period of the practice, are there conditions for conducting research work, etc.

Professional practice is planned taking into account fish-breeding activities carried out at enterprises, in particular, the collection of caviar and its incubation, stocking, fishing, flying issues (sanitary measures at ponds), etc.

Trainees in the specialty “Fisheries and Industrial Fisheries” receive professional competences according to the standard curriculum prescribed in the modular educational program.

The obtained competences are consolidated during the passage of professional practices (production, pre-diploma). For the organization of practical training and practical training of students, contracts have been concluded with 15 bases of practice. The bases of practice of students are: scientific research institutes, regional territorial inspections of forestry and wildlife, fishing enterprises, fish farms.

During the period of theoretical and practical training, students can determine the level of professional competence in the professional association of the NGO "Society of Hunters and Fishermen of Astana and Akmola region".

EP management annually reviews and analyzes the content of EP according to changes in the labor market and the needs of employers. The analysis is carried out through the holding of extended meetings, surveys, feedback and suggestions from employers, teaching staff and

students. At extended meetings in the presence of employers, teaching staff and students, the content of the EP, professional competences, the sequence of disciplines, etc. are discussed.

After entering the university, students are given introductory courses on credit technology and the possibility of choosing an individual educational path. With the help of an adviser, the learner will get acquainted with the directions of the modular educational program and the content of the catalog of elective disciplines. The learner, choosing the direction of EP, forms an individual curriculum, fixing his choice in the Platonus system. Students also participate in the extended meetings of the department with proposals on the inclusion of new modern topics in the content of the disciplines: innovative technologies for growing fish, growing new aquaculture objects, developing industrial aquaculture.

According to the results of feedback and suggestions from employers in the specialty curriculum"Fisheries and commercial fishing" were incorporated, such new disciplines as "Hydrobionts vegetable", "Operation RAS", "Breeding work in aquaculture" (Appendix 2.3).

The complexity of academic disciplines is signed in the regulatory documents of the EP (working curriculum, work program of the discipline), according to the model curriculum of the specialty "Fisheries and industrial fisheries".

Translation of Kazakhstan credits into ECTS credits is carried out according to conversion factors in accordance with the working curriculum of the specialty “Fisheries and industrial fisheries”. The procedure for transferring credits according to the ECTS type is carried out in accordance with the Regulations on the organization of external academic mobility of students at the S.Seifullin Kazakh Agrotechnical University.

Correspondence of the content of academic disciplines and learning outcomes is carried out on the basis of TUP and QED. The access channel of students to the content of disciplines - syllabus. Compliance of the content of academic disciplines with the results of training (on the example of the discipline "Embryology") is presented in Appendix 4.

Educational and methodological documentation, which reflects the various activities envisaged in the working curriculum are contained in the EMCD: MR for faculty members to conduct various activities in the working curriculum; MU for students on the implementation of LR; SIW, SIWT, all types of practices, research, etc.

To determine the personal qualities of students, including features of information perception, are taken into account in the form of a differentiated approach.

Passage by students of professional practices are regulated in the methodological instructions of the QMS 02.2017-2017 The procedure for organizing and conducting practical training of students. Responsible: Senior Lecturer of the Department, Master of Chemical Sciences Nurgozhayeva N.M. Requirements and criteria for PUD are supplemented and modified based on the requirements of the labor market, as well as proposals from employers, teaching staff and students. The data is taken during questioning during scheduled meetings with employers and partners. The number of places for professional practice depends on cooperation agreements with enterprises and potential employers.Stages of planning places of practice and conclusion of contracts: development of a plan for the development of EP; drawing up a plan of activities for the implementation of the plan for the development of EP; scheduling meetings with production representatives and employers; conclusion of contracts.The head of practice is appointed by the faculty according to specificity: EP in the specialty 5B080400 - “Fisheries and industrial fisheries” Ph.D., Syzdykov K.N., Ph.D., Asylbekova A.S., PhD Aubakirova G.A. and senior lecturer Dzhamanbaev T.D.

Monitoring of the internship and the quality of its organization is monitored by the person responsible for the practice at the faculty of veterinary medicine and animal husbandry technology, Ph.D. Kamsaev K.M., as well as the head of the EP head of department. “Hunting and Fisheries” Narbaev S. Monitoring of satisfaction is carried out by questioning representatives of practice bases.

Analysis of the passage of professional practices of graduates in 2018 EP specialty 5B080400 - "Fisheries and industrial fishing" are presented in table 6.

Table 6 - Analysis of the passage of professional practices of graduates in 2018

Types of practices	Base of practices	Criteria for practice sites	Semester and number of students	Topics
educational	Fisheries Research Center, Department of Hunting and Fisheries	The possibility of participation in the cultivation of aquaculture facilities in the installation of a closed water supply	4/18	For example: Ikrambaeva A. theme: "Growing Australian cancer in the

Production and pre-diploma	SIC Fisheries and Kamyshly-Bashsky fish nursery of the Kyzylorda region "	The opportunity to participate in the cultivation of Australian cancer in the SIC of the fishery of the Australian cancer in the SIC of the fish industry and the cultivation of white carp in the conditions of the Kamyshlybash nursery of the Kyzylorda region	6/12; 8/26	SIC of Fisheries" and Sarsenbayev Elaman "Technology of growing white thick-brow in conditions Kamyshly-Bashsky fish nursery of the Kyzylorda region"

At the department of undergraduate disciplines "Ichthyology", "Hydrobiology", "Aquaculture", "Fish Embryology", "UZV Operation" and others. Are carried out according to the dual training system based on the RSE "Northern branch of KazNIIRH" and SIC "Fishery" (Astana) during the entire period of training of students and undergraduates.

The organization of the educational process of students on educational trajectories is based on the implementation of the principle of orientation of the EP on the personal needs of the student, the disclosure of its potential and the preparation of a socially active person. Freedom of choice of disciplines is realized by giving a QED student, which contains a list of all disciplines, indicating the objectives of the study, a brief content and the expected results of studying the EP curriculum, with the active participation of the adviser, the students determine the trajectory of their studies with entering the selected disciplines into their individual curriculum. The distribution of disciplines by semester is carried out in a logical sequence, taking into account compliance with prerequisites and post requisites. The individual curriculum of the student is approved annually by the dean of the faculty, contains a list of disciplines and the number of credits.

The various types of knowledge control included in the teaching and methodological complex allow us to evaluate the effectiveness of mastering the learning professional competencies.

Ensuring equal opportunities for students is achieved by the completeness of educational and methodological, organizational and methodological and information support of the educational process in the three languages of instruction: Kazakh, Russian and English. For all students, the principle of gender equality. There is equal accessibility to educational, research, educational activities.

During the implementation of the EP, the graduating department actively cooperates with other universities - universities - partners in order to organize scientific internships, lectures by foreign professors, conduct joint research and expand academic mobility. Active work is being done in cooperation with partners from near and far abroad: 1. Putra University Malaysia, Kuala Lumpur, Malaysia, 2. Eastern University, Finland, 3. Novosibirsk State Agrarian University, Russian Federation. 4. University of Davis, USA, 5. Research Institute of Fisheries, Turkey, 6. Fishery Academy, Wuxi, China. In the period from 10/08/2014 to 10/23/2014, the head of the Department of Biology at the University of Eastern Finland, in Joensuu, Finland, Professor, PhD Reine Kalevi Kortet, conducted a course of lectures and a training seminar for students and undergraduates in the course "Aquaculture". This course and seminar was attended by students, undergraduates of 1.2 courses and teachers of the department.

In terms of harmonization of the content of the EP for the discipline 5B080400- "Fisheries and industrial fisheries" a comparative analysis of the list of disciplines of QED of the West Kazakhstan University. Zhangirkhan, from which under the program of academic mobility came Bachelor of Satayeva Aidan and QED of the Magistracy of the University of Davis, California (USA), where our undergraduate was studying for one semester in academic mobility in 2016-2017. (R. Kerimbaev) is translated in Table 7.

Table 7 - Comparative analysis of QED OP - 5B080400 - "Fisheries and industrial fishery"

Undergraduate		
№	S. Seifullin KATU	Zhangir Khan West Kazakhstan University
1	Hydrology	Hydrology

2	Fish embryology	Fish embryology
3	Ichthyology	Ichthyology
4	Fish feed	Fish feed
5	Ethology of fish	Ethology of fish
Magistracy		
№	S. Seifullin KATU	University of Davis, California
1	Aquaculture of Kazakhstan	Introductory aquaculture
2	Sustainable management of aquatic bioresources	Directed Global Programme study
3	Ichthyology of internal reservoirs of Kazakhstan	Biology conservation of fishes

Based on the agreement “Attracting foreign scientists to universities of the Republic of Kazakhstan” guest lecturers: PhD, professors Annie Christianus and Jamila Binty Bakar from the University of Putra Malaysia, Reine Kalevi Cortet from the University of Eastern Finland, in Joensuu, Finland in September from 2014 to June 2017 years conducted classes and seminars for students in the specialty 5B080400 - "Fisheries and industrial fisheries".

The goals, objectives and general rules for the provision and implementation of academic mobility in AUB comply with the basic principles of the Bologna Declaration, as well as the goals of improving the quality of education, further expanding and strengthening cooperation between foreign and Kazakhstan universities and universities (QMS PROM 11010.40 - 2012 amended on 07.19.2013 "Regulations on the attraction of foreign scientists in the JSC" S.Seifullin Kazakh Agrotechnical University ", POSHAMO QMS 11010.98 - 2014" Regulations on the organization of external academic mobility training students at the S.Seifullin Kazakh Agrotechnical University, QMS 11010.100 - 2014 "Regulations on the organization of internal academic mobility of students in the S.Seifullin Kazakh Agrotechnical University", AMPPS QMS 11010.33 - 2012 with changes from 14.12.2013 "Regulations on the organization academic mobility of faculty members. "

The university has cooperation agreements with foreign universities: USA, Turkey, Russia, Malaysia, China, etc. The processes of cooperation and exchange of experience are carried out through the CPC, R & D, NIRS, and others. The main approaches to determining the content of EP: taking into account the needs of the state, market, employers in fisheries

and water resources specialists; use of modern teaching methods; application of innovative technologies in UE, etc.

Theoretical and practical results of scientific research over the years are being actively introduced into the educational process by using basic and specialized disciplines in the course of teaching and the development of educational and methodical complexes for them. The results of research and development have been introduced into the educational process and are used in conducting classes on the undergraduate discipline "Fisheries and Industrial Fisheries", which uses innovative technologies of artificially reproducing fish, growing live food, using geothermal sources for growing aquaculture objects. The results of the research work of the department "Hunting and Fisheries" are introduced in the educational process in the following disciplines:

- "Cultivation of live feeds" - bachelor degree,

- “UZV Operation (closed water supply installation)” - magistracies of the scientific and pedagogical direction “Industrial fish farming”

SWOT - analysis according to the standard "Development and approval of the educational program" are given in table 8.

Table 8 - SWOT - analysis according to the standard "Development and approval of the educational program"

The strengths of the EP	Weaknesses EP
1. The presence in the content of academic disciplines of professional context, the results of current scientific research, the achievements of modern science in the field of study 2.Periodic update EP 3. The possibility of participation in the formation of the EP of all interested parties **4.** The presence of a monitoring system for the progress of students on the educational trajectory and their achievements 5 Determining the need for professional practice by employers and the business community	1. The lack of joint EP with foreign organizations;

Conclusion: Thus, the final learning outcomes and the trajectories of their achievement are determined for the specialty program "Fisheries and industrial fisheries". The development

of EPs, ensuring the graduate's competitiveness, the provision of educational services at the level of world standards, are the objectives of the Development Program of S.Seifullin Kazakh Agrotechnical University for 2016-2020. The university has developed a plan for the development of EP, a model of a graduate of the EP, provided the continuity of EP content at various levels: bachelor-master's and doctoral studies, based on the logic of the academic interrelation of disciplines, the current system of prerequisites and post requisites.

OP "Fisheries and Industrial Fisheries" has a developed model of graduate. The participation of faculty and employers in the development and management of EP ensures its quality. The content, scope, logic of building an individual educational trajectory of students, the influence of disciplines and professional practices on the formation of the professional competence of graduates meets all the requirements for the implementation of EP.

There is a clear definition of the logical sequence of courses of disciplines, which are reflected in the working curricula and basic requirements for learning outcomes. The logic of the UE and training programs, meet all the requirements of the EP. OP renewal is systematic, taking into account the interests of employers. The conditions for the effective promotion of the learner along an individual educational trajectory, in order to develop the individual characteristics, needs and cultural experience of the students, meet all the requirements for the implementation of the EP.

EP developed on the basis of the analysis of the labor market and satisfies the needs of potential consumers, are implemented in the framework of the credit technology of education. The content of OP 080400- "Fisheries and industrial fisheries" fully complies with the SES and provides training of highly qualified personnel with an innovative and creative type of thinking, who have an adequate level of knowledge and skills in professional activities.

The specialized profile "Development and Approval of the Educational Program" contains the following self-assessment of compliance with this standard: by 11 criteria - a strong position, by 1 criterion - a satisfactory position.

5 CONSTANT MONITORING AND PERIODIC EVALUATION OF EDUCATIONAL PROGRAMS

At the Department of Hunting and Fisheries in the specialty - "5B080400 - Fisheries and Industrial Fisheries" an educational program (EP) has been drawn up in two directions: "Breeding" and "Commodity fish farming". First of all, the goals and objectives of the EP were defined and all problematic issues were discussed and supported by employers: representatives of the Forestry and Wildlife Committee of the Ministry of Agriculture of the Republic of Kazakhstan and heads of fisheries enterprises in particular, the Department of Fisheries Resources and Fisheries Management of the Committee of Forestry and Wildlife of the Agriculture Ministry of Kazakhstan Head Bahiyanov A), as well as the heads of the Maibalyk, Karaganda, Kamstybassky, Zerendinsky and Petropavlosky hatcheries, as well as the heads of fish farms Such as: Topar cage holding, Zhanaarkinsky lake-commercial holding, Akmola regional society of hunters and fishermen, etc. During the educational process, these educational programs passed the initial approbation. Monitoring was carried out continuously during the period of theoretical and practical classes and a positive assessment was given to the monitoring participants.

The achievement of the goal of the EP was mainly monitored by the results of midterm control, independent work and examinations, as well as by the results of production and pre-diploma practice, where, in addition to practical reports, the student’s characteristics of his professional skills from the internship site were taken into account.

Student satisfaction needs were studied in the process of obtaining theoretical and practical lesson. All students of this specialty were involved in the entire production cycle of the conducted practical classes in the department in particular: they took an active part in the collection and installation of a closed water supply (UZV) plant for growing fish; real participation in the cultivation of new aquaculture objects: as catfish catfish, tilapia and aquarium fish; active participation as performers in the performance of research work on grant programs; in the process of group design of fishery enterprises. In addition, in the process of internship they learned how much this specialty is in demand in Kazakhstan. And the results of our own research in writing diploma projects and the obtained estimates showed how prepared they are for independent work in industry and science.

The educational program chosen by our department gives a wide scope for continuous improvement of educational programs. For example, our employees are constantly improving the technological system of growing new aquaculture objects. Based on the results of the work, we have given several recommendations for improving the technology of growing tilapia and the catfish. According to the grant research program conducted seminars in Almaty, Akmola and Atyrau regions of the republic. With the help and assistance of Syzdykova K.N., Kuanchaleeva Zh.B. and Marlenova E.B. Consultations and practical assistance were provided in the organization of the installation of a RAS installation in established fish farms in Almaty and Akmola regions. Recommendations were given to the nature users of the Northern regions of the Republic on the organization of lake-commercial fish farming (authors: Syzdykov K.N., Jamanbaev T.D., Narbaev S.N, etc.). At the Department of Hunting and Fisheries, great attention is paid to the dual form of education. The main bases for conducting a lesson in production are: Maybalyk fish nursery (director Gudyna N.V.) and reservoirs of the Akmola region (in Astana and Khoanda, lakes Zhaltyrkol, Birtaban, Tekiz, Ashchikul, etc.)

The educational program (EP) is based on the proposal of employers and the scientific environment (KazNIIRH). Therefore, many students studying after completing their undergraduate studies try to enroll in a magistracy and get a master's degree. Thus, they open the way to science and to the leading positions of state structures. At present, several of our graduates (Bahiyanov A., Turumbayev O., Umirtaeva A., Kaztay N., Kozhaeva Z., Zhubayev and others) work in the structure of the Committee for Forestry and Fauna of the Ministry of Agriculture of the Republic of Kazakhstan, who successfully work programs for the development of fisheries in Kazakhstan.

There are graduates of our specialty who work in the best farms of the Russian Federation (Damrachev D., Somov M.) introducing new technologies for artificial reproduction of fish.

In the South Kazakhstan region, a cadre fish farm (Rysbekov A.) was established on the basis of the Shardarinsky reservoir, and the Tulkubas region organized a fish farm using the system of RAS, (Zhamash B., Pernebek N.) and many others.

The progress of the learner is primarily determined by his deep knowledge. The results are indicators of academic performance in all disciplines, according to the results of passing the State exam and diploma defense. Themes of theses related directly to science and production.

One of the criteria for assessing the knowledge of students is the feedback from production managers, which provides a full assessment of their theoretical knowledge and practical skills based on the results of internship. Some trainees in the period of practical training were offered a job as a fish farmer in production (Karaganda hatchery, Zhanarakino lake and commercial fish farm, Petropavlovsk hatchery, lake farm in Kostanay oblast, etc.). In addition, annually, in classroom conditions, competitions are held among students of 3 courses in the disciplines (ichthyology, hydrobiology, aquaculture, fishery hydraulic engineering), where students create a comprehensive project of a modern pond farm and protect their projects. The project takes into account all indicators (natural and climatic conditions, type of pond economy, object of cultivation, economic indicators and profitability of production), and then the jury, consisting of teachers and senior students, will assess the projects presented.

Every year, students of 2-3 courses participate in the Republican student subject Olympiad, which takes place in Almaty on the basis of KazNAU, where the teams (kaz, rus) show a high level of knowledge taking the first and second places. All these indicators are reflected in the minutes and examination sheets.

The advisers of each group constantly check the individual plans of students, where students make all the changes. Traced transcripts of students in the summary statement. Each student has the opportunity to independently complete an individual student plan. With the help of the adviser, the learner regulates the consolidation of disciplines and teachers. The student has the right to actually choose the proposed elective disciplines. The student also independently monitors the execution of the credit technology of training. In addition, the parents of the student also have access to the individual student's plan, where they can receive complete information on the student's progress.

The university has an information system "Platnus", where there is all the necessary information on the promotion of the student. More than 50% of examinations in subjects are passed through the Platonus system. In addition, there is an information portal of the university, where students can get the necessary information on the schedule of the lesson, take a survey on the educational process, get information on all interested questions. The Platonus system collected and stored all the results on student performance. Necessary information can be obtained only by the owners of the login password.

In the process of mastering the program, the personal growth and development of the student is monitored by the adviser and supervisor for the educational work of the group.

Which lead the student's personal sheet, where information on the student's progress is entered; his participation in scientific circles at the department and making a presentation at student scientific conferences; participation in the public life of the faculty and the university; health status, as well as participation and success in sports, creativity, etc. All these data are recorded in the journal of the group curator and in the personal page of the information system.

The main barriers to ensuring the quality of graduates are:

- control over attendance of lectures and laboratory and practical classes;
- assessment of the timeliness and quality of the laboratory and practical classes;
- assessment of the quality of independent work of students;
-the timeliness and quality of the performance of the missed laboratory and practical lesson without good reason; These installations are indicated in the disciplines of syllabuses.
- assessment of the quality of the passage of educational, industrial and pre-diploma practice. For each of them are kept diaries and reports are compiled. Reports should include all production cycles of the fish hatchery and other fishery enterprises, depending on the location and purpose of the production practice.
- academic mobility of students when the student receives new information on the educational program of another university.

Every year, if necessary, the catalog of elective disciplines in the specialty is updated. In the future, the student has the opportunity to choose the discipline that meets the requirements of time and demand. For example, the 2016-2017 academic year of the QED was supplemented with new disciplines such as industrial fish farming, sturgeon farming, the cultivation of new aquaculture facilities, etc. In addition, there is a real connection and cooperation with KazNIIRH in the field of science and scientific research, fisheries enterprises like Kamyshlobashsky fish hatchery, Maybalyk fish nursery, Kapshagay spawning farm, KazPAS, Atyrau sturgeon plant, with the ZKU them. Zhangirkhan, Kaz NAU and KazNU them. al - Farabi and many others (Tripartite treaties are available). The catalog of elective disciplines is compulsorily discussed with the staff of the Committee for Forestry and Fauna of the Ministry of Agriculture of the Republic of Kazakhstan, with employers of this industry and with employees of the research and production division (there are minutes of the meeting on the discussion of elective disciplines).

The educational program is compiled in accordance with modern requirements in the fishing industry. The program includes new disciplines such as: breeding, cage farming, trout breeding, sturgeon breeding, artificial reproduction of aquaculture facilities, breeding and breeding in fish farming, the operation of RAS, etc., besides, the periods of production and pre-diploma practice are increased to 13 weeks (375 hours), which will allow the learner to participate in all the production stages of artificially reproducing fish and raising fish to marketable condition. Then they take part in stocking of water bodies, and also get skills in transporting juvenile and adult fish. During the period of industrial and pre-diploma practice, which is held in a consistent form, the student manages to conduct research and collect materials on the results of research, as well as to analyze and summarize the results.

Society, and the professional environment, are waiting for the products of aquaculture from fishery industry specialists. Since the market is filled with traditional types of fish, but there are still not enough new objects. To solve this problem, our students receive not only theoretical knowledge, but also practical skills for growing new species of fish that were not previously cultivated in Kazakhstan. For example, the cultivation in the system of ultrasound Klaevy catfish, tilapia, freshwater sturgeon (sterlet, Siberian sturgeon and Bester). To this end, on the basis of the department, the Scientific and Production Center of Fisheries was established and accredited. S.Seifullin. On the basis of which students learn and get practical skills in growing fish in the system of ultrasound. The 4th year students (Ikrambaeva A, Sultanova K.) conducted an experiment on obtaining hybrid forms of crayfish by pairing Australian crayfish with local crayfish and obtained high productive qualities of hybrid forms. Scientists of the department carried out continuous monitoring of water bodies of the Akmola region on the current state of the ichthyofauna and the natural forage base of the Ishim water basin. With scientists of the Department of Veterinary Medicine and Veterinary Sanitation are constantly studying issues on the food safety of fish in the region.

The training load of the trainer during the training period according to the modular educational program consists of: Ltd. PED-34 credits; BD-64 of them OK-20 and KV 45 credits; PD-32 loans from them OK-5 and KV-27 loans; The total number of classroom load is 130 credits and the average load for each semester is 18-19 credits. For additional types of training (physical education, training, industrial and pre-diploma practice) there are 22 credits and for final state certification 3 and only 25 credits. The total number of loans for the entire period of study involves 155 loans.

Monitoring the student's academic progress is carried out by the student and group adviser. The student's self-control gives a positive result, i.e. each student controlling himself finds the right solutions for getting out of a crisis situation. Increases its responsibility.

The progress and assessment of the student's knowledge can be traced through the following types of knowledge control: 1-2 midterm control, current control and exam.

Each student knowing the types of control and criteria for assessing knowledge independently traces the entire assessment procedure. And accordingly, trying to give a self-assessment of their achievements in academic performance. Boundary control is carried out twice per semester. At the discretion of the lead teacher, it can be in the form of test tasks, either orally or in writing. Each student has the right to challenge the score in points. To address these issues, a commission has been created, from among the leading teachers, who find solutions to problem issues on a commission basis. One of the stimulating types of control is the current type of control. This type of control includes the delivery of the results of practical or laboratory classes, the implementation of the IWS and IWST. The submission of the IWS involves the writing of abstracts and its protection, oral and presentation forms. The autonomy of the assignment of the IWS gives the student a search for materials from various sources, etc.

Each student during the period of practical training truly realizes the need and satisfaction with the educational program. The extension of the internship allowed the students to go through the entire production cycle of the hatchery, from preparing producers for the spawning season to stocking ponds and selling commercial fish.

Before approving the educational program, this project undergoes a series of procedures. The heads of fishery enterprises, teachers of the department of game management and fisheries, the chairman of the MK faculty of veterinary medicine and technology of animal husbandry are invited to the discussion of the EP. After discussing the draft, the EPs are approved by the Academic Council of the S. Seifullin KATU.

The monitoring of the EP is mainly carried out by specialists who are part of the internal audit of the university with the participation of the methodological commission of the faculty, the head of the department and representatives of fisheries enterprises, in particular the director of the Maybalik nursery, the fish farmer of Karaganda hatchery.

According to the monitoring results, the reviewers report to the academic council of the university, where the decisions will be applied. However, according to the results of the

monitoring of the EP ("Sturgeon" and "Commodity Fisheries") of the department there were no special observations.

For practical training, a tripartite agreement is drawn up between the enterprise, the university and the students. A trainee keeps a practice diary and a report on work practice. During the period of internship, the teachers go to the place of internship of the student for the purpose of verification and consultation. Satisfaction or dissatisfaction is reflected in the student's diary and report.

Upon completion of the internship, the student submits a diary and report of the internship, then gains access to report protection, which takes into account not only the report itself, but also the production characteristic issued by the head of internship.

During the passage of professional practice, each trainee is determined by the research and production manager, who draws up the practice program and the trainee movement on production sites to fully cover all stages of the hatchery. Leadership practices in the workplace is paid for at the expense of the university. Achieving the goals and objectives of the practice is reflected in the diary and the report of the intern, as well as in the recall of the head. The results of industrial practice protection are a guarantee of achieving goals and objectives.

According to the results of knowledge of students of EP, the head of the department analyzes the progress in the disciplines of the EP and this issue is reviewed and discussed at the meeting of the department. For all comments, an action plan is drawn up to eliminate the indicated deficiencies.

Changing the content of curricula and educational programs is carried out with the mediocre participation of employers and UMOs of the MES RK, as well as the need for certain disciplines and orientation to new technologies in growing fish, and the experience of world-wide achievements in the technology of artificial reproduction of new aquaculture facilities in Kazakhstan. For example, the department has established a Fisheries Research and Production Center on the basis of which, new technologies for the artificial reproduction of new aquaculture facilities are being worked out and recommendations are given.

The university annually organizes a graduate fair. All employers are invited to the fair (Ministry of Agriculture of the Republic of Kazakhstan, heads of enterprises, private structures engaged in aquaculture, environmental protection institutions). During the students' fair, employers get acquainted with the resumes of graduates and conduct an interview. In addition

to these events, the university management constantly maintains contact with employers who jointly resolve issues of graduates' employment.

It is possible for students to choose a university where they can study for one semester according to the system of academic mobility. Trainees are also given the opportunity to do practical work at their choice.

Proposals for amending the content of educational programs are formulated collectively with the participation of employers and further promoted by the head of the department. The decision on amending the content of the EP is made by the University Academic Council.

The main objects for introducing changes in the content of EP are new curricula, introducing new disciplines into the group of elective disciplines, as well as introducing changes in the dates and times of conducting and organizing the passage of educational, industrial and pre-diploma practices. All these changes are governed by the minutes of the meeting of the department. Experienced teachers of the department, representatives of employers, students and other interested persons are involved in decision making.

The department constantly evaluates the effectiveness of the educational program according to the following criteria: mastering and academic performance of students, student interest, practical application, level of scientific knowledge. According to the results of the evaluation of the EP teachers and students can give the necessary recommendation.

The university and the department constantly attract employers, students, teachers and stakeholders on issues related to the educational program, where all problematic or new issues and ideas are discussed collectively. For example, the issues of dual training, the use of materials from the Internet resources, the passing of production practices based on the best fish farms have yielded positive results in the development of theoretical materials and the acquisition of practical skills of future specialists.

The department is constantly monitoring the academic achievements of students through the results of the current and midterm controls, as well as the exam. In addition, many students are engaged in research circles and, based on the results of scientific research, make presentations at student research and production conferences, and also participate in the Republican Student Work Competition, where they show high prize results (Litosh T., Abdesan R., Kasym Zh., Gerner A., Kim Yu., Salmenova F, Kerimbekov R. and others). In addition, two teams of our specialty annually take part in the Republican subject Olympiad, which takes place in Almaty, where they show high rates and become winners.

To inform and promote the results of academic achievement of students use a different information system. The university has a website of the department and faculty, which is constantly updated. In addition, for the 2017-2018 school year alone, three programs were prepared on Kazakh radio on the scientific achievements of students and teachers. Two programs were broadcasted on the Republican TV channel Astana, one program on the Khabar channel. Several scientific articles in cited journals and in republican scientific journals in Kazakh, English and Russian.

When making changes in the content of the EP, the higher education institution and the administration of the EP keeps a protocol after consideration of the meeting is made. At the meeting of the department, then the UMO of the university sends for consideration to the Academic Council of the university, they take a positive decision or leave. Representatives of employers are also invited to the meeting on issues of introducing changes, except for teachers of the department.

In addition, students and representatives of employers participate in the work of a scientific conference held in Kazakhstan and abroad. Some teachers have scientific articles published in cited foreign scientific journals (Bahiyanov A., Syzdykov K.N., Aubakirova G.A., Narbaev S.N.)

The revision of the educational program took into account new technologies for fish farming, new aquaculture facilities, acclimatization issues, etc. The main goal of the revision is to conduct fish farming on a scientific basis, increase the competitiveness of fish products, reduce production costs, protect and protect, and restore the population commercial fish species from natural reservoirs. The list of disciplines provided for the revision is determined collectively, taking into account the modern requirements of educational programs.

The stakeholders for reviewing the content of the educational program include: representatives of the Committee for Forestry and Fauna (Bahiyanov A., Turumbayev O.S.), director of the Maybalyk fish nursery Gudyna D.N., employees of the SNPP Kokshetau and the main fish farmer of the Eslsky water basin Head of the Department of Hunting and Fisheries Narbaev SN, Chairman of the Association of the Regional Society of Hunters and Fishermen II Mironchuk, Assistant Professor of the Department Syzdykov K.N., Asylbekova A.S., Professor Aubakirova G.A.)

For example, in October 2017, a master class was held for representatives of fish enterprises in the Northern regions of Kazakhstan; members of the collegium on the review of

EP and students of 1-4 courses were also invited to this event. Invitations were made in advance and sent electronically with the support of the university administration and the chairman of the Committee of Forestry and Fauna of the Ministry of Agriculture of Kazakhstan

All the changes in the educational program are published on the website of the university's educational portals.

The order of revision of the content and structure of the educational program depends on the change in the business policy of fisheries and the demand for new market requirements for certain types of fish farming products. For example, the demand for fish and fish products for those species that are absent in our waters increases every year. And therefore there is a need for the introduction of new disciplines. For example, it introduced the new discipline "Sturgeon", "Technology of growing feed hydrobionts", the technology of growing new aquaculture objects (tilapia, catfish, Australian crayfish, etc.).

Initially, this issue is solved collectively with the participation of members of the department and invited employers. The decision of the meeting of the department is recorded and sent for a decision at a meeting of the Academic Council of the University.

All responsibility for the revision of the content of educational programs is assigned to the head of the department.

The review of the EP takes decisions collectively, which includes representatives of employers and other stakeholders and Academic Department.

The labor market and the requirements of employers to a greater extent affect the content of the educational program. For example, the high demand for products of especially valuable fish like, spiny, salmon, and cyprinids influenced the change in the content of the OP and the following disciplines were included: sturgeon breeding, industrial fish farming, which were not previously studied. Studying and learning from the experience of our scientists, many individuals and campaigns are being put into practice. For example, the cultivation of fish in the system of RAS, where on the basis of the Research Center of Fisheries S.Seifullin KATU studied tested cultivation of freshwater sturgeon, tilapia, African catfish.

SWOT- The analysis according to the standard "Continuous monitoring and periodic evaluation of educational programs" is summarized in Table 9.

Table 9 - SWOT - analysis according to the standard “Continuous monitoring and periodic evaluation of educational programs”

Strengths	Weaknesses
1. Educational programs in its successful implementation will provide high-quality training of specialists in the field of the protection of fish resources and specialists of new industrial technologies for growing fish; 2. The growing demand for the production of high-grade fish species, the technology of cultivation of which in the scientific center of the fisheries department tested and obtained good results 3. Stakeholder awareness	1. Insufficient allocation of educational grants 2. The low level of basic training of applicants

Conclusion

In general, the content of the educational program meets the requirements of the standard of the educational program of the MES RK. The educational program includes all issues of monitoring and periodic evaluation. In addition, the university determines its own requirements. To fulfill these requirements, the university creates the maximum conditions for the training of specialists of the new format, which are in demand not only in Kazakhstan, but also in other states. This approach to the specialty gives its positive results. For example, graduates of recent years are successfully working in Russia (DomrachevD., Belov R.), in Mongolia -Huangan M. There are graduates who continue their studies at the magistracy Abdesan Rauan in China, Kim Yu, Abenova and S.Seifullin KATU and others)

The specialized profile “Continuous Monitoring and Periodic Evaluation of Educational Programs” contains the following self-assessment of compliance with this standard: by 9 criteria - a strong position, by 1 criterion - a satisfactory position.

6 STUDENT-CENTERED LEARNING, TEACHING AND EVALUATION OF SUCCESS

s part of the training program, the following groups of students were identified: undergraduate and full-time undergraduate (undergraduate) students and undergraduates. Identifying the needs of students occurs as a result of processing data from surveys, which are conducted several times a year on the educational portal of the website of the S.Seifullin Kazakh Agrotechnical University (http://kazatu.kz/)

Each student has the opportunity to independently choose from the trajectory of learning the most interesting discipline for him, as well as one of the three proposed teachers. Also, the students themselves choose the place of practical training, the head of the industrial practice and the head of the thesis.

All students are provided with equal opportunities to achieve learning outcomes, namely, regardless of the language of instruction, students have equal conditions of access to educational and research laboratories and the library fund, and opportunities to study on internal and external academic mobility.

When training takes into account the individual characteristics of students and undergraduates, for example, when choosing a place of practical training, the place of residence of students is taken into account.

For the purpose of the educational activities of the department and taking into account the needs of students, the educational programs in the specialties were revised, which is associated with the introduction of new state compulsory education standards of the Republic of Kazakhstan.

In order to deepen and qualitative assimilation of theoretical knowledge in the field of a future profession, expand the amount of practical skills in the specialty, experts are involved in conducting classes.

Responsible for the implementation of various forms and methods of the educational program are the head of the department and teaching staff of the department.

The implementation of the EP occurs in the form of full-time and distance learning. The most popular form of higher education is full-time study. It is necessary to study in this case from 8.00 (from 9.00 in Uchkhoz) to 15: 00-18: 00. The duration of one pair is 1 academic

hour. This training option does not provide for simultaneous employment during the daytime. Full-time form is an educational process that allows the learner to freely communicate with the faculty, ask questions on the topic and clarify incomprehensible points. The responsibilities of students include compulsory attendance of lectures, seminars and practical training.

Education with the use of the correspondence form is preferred by many people who plan to combine the educational process with employment. The peculiarity of this training is the need for each student to master a significant amount of knowledge on their own. The educational process for students is divided into two periods: an introductory session involving introductory lectures, the provision of literature lists and control tasks, and an examination session.

Both at full-time and part-time education, a component is provided for preparation for professional activity, including qualification requirements aimed at the formation and development of professional skills and critical thinking.

Evaluation of the effectiveness of the educational program is also carried out in terms of the availability of components that shape the personal development of students, their creative abilities and special competencies. This criterion is implemented through the introduction of innovative learning technologies into the educational process and through the participation of students in regional and international scientific conferences. The actual in the educational and methodical activities of the teaching staff of the department is the development of interactive teaching methods using multimedia equipment. Practicing is the presentation of training courses with the use of interactive boards, multimedia projectors, electronic stands, etc. The introduction of new learning systems has led to a change in methodological approaches to the organization of classroom and extracurricular activities. The forms of conducting lectures with the use of a complex of modern teaching aids are being improved, which makes it possible to increase the intensity of the presentation of the material, to increase the activity of students and undergraduates.

Teachers of the department actively use in the classroom on hydrology, protection of aquatic biological resources, ichthyology, hydrobiology, ichthyogeography (Sabdinova D.K., Asylbekova A.S., Aubakirova G.A.) imitational (game method, game design, imitation training, role-playing) , internship with the performance of an official role, business games, business situations, analysis of documents, actions according to instructions, incidents, etc.) and non-imitational (internship without performing an official role, field work with discussion,

discussion with brainstorming and without the problematic situations, etc.). innovative training methods (Syzdykov K.N., Dzhamanbaev T.D.).

The need to use active methods of use is justified by the leading teacher of the discipline, reflected in the syllabus, which is considered and approved at the meetings of the department, the methodological council of the faculty.

The use of innovations in the educational process has a direct impact on the learning outcomes, as it activates the activities of students and enhances feedback with teachers, thereby contributing to better learning of the educational material and is reflected in the improvement of academic performance.

Obstacles to the introduction of new teaching methods are not fully equipped with multimedia boards of the classroom fund, as well as a preference in teaching traditional teaching methods for some teaching staff. Decisions on increasing the use of innovation in the educational process are made at the Faculty Councils, department meetings. Performance monitoring is carried out by feedback, when checking essays, reports, passing the exam.

In high school annually conduct advanced training courses for teaching staff related to the introduction of innovative teaching methods in the learning process. For example, information technology, the compilation of electronic textbooks, the creation of video lectures. The faculty of the department are trained in these courses, thereby improving and improving teaching methods.

The department carries out such studies as growing fish (tilapia, sturgeon, clavia catfish) under conditions of RAS; the use of plants for water purification and the supply of oxygen in ultrasound; dilution of reddish cancer; use of eutrophic lakes in the conditions of Northern Kazakhstan. These studies are closely related and are actively used during practical and laboratory studies, which contributes to the development of interest in the chosen OP students. In studies directly participate not only the faculty, but also students. Thus, these studies are used to improve the methods of teaching ichthyology, fish embryology, ichthyology, hydrobiology, fish nutrition, fish ethology, aquaculture, and the technology of growing hydrobionts.

The effectiveness and efficiency of the questions of innovation introduction are tracked in the system of quality control of students' knowledge. And also as a result of processing questionnaires for students, which reflect such moments as satisfaction with the quality of

knowledge, methods of conducting classes, the ratio of teaching staff to students, the provision of equipment, etc.

According to the results of the survey, the views of students are taken into account in the further educational process, thereby increasing the level and quality of the educational process. Examples of successful implementation of new developments in the field of methods are articles published by teachers and students. In recent years, student performance has increased by 5.5%.

Teachers of the EP provide guidance and assistance to students in the educational process during the IWST, IWS, according to the approved schedule. Students are given topics and tasks for independent work, developed by the faculty. The complexity is determined by the time of work of students in the process of performing the task. Evaluation of the results is determined by oral, written survey and testing method.

In addition, teachers developed guidelines, as well as students are issued in electronic form syllabus, where clearly defined goals and objectives of the SIW, the necessary literature. The optimality, rationality and adequacy of the content of the SIW in the disciplines is determined by monitoring by the head of the department, the methodical commission of the department and faculty.

Monitoring of independent work of students is carried out in consultation with teachers. Evaluation of the results of the CDS students can be traced in Platonus, logging under their password. The volume of the CDS and SRSP is at least 2/3 of the total number of hours of readable discipline. Evaluation is carried out according to the alignment adopted by the credit system of education. The categories of evaluation of the CDS are the completeness of the disclosure of tasks and the results of achieving the goal. The final level of assessment of students' knowledge is monitored by the results of employer feedback in reporting documents on internships in farms.

There is a procedure for responding to student complaints. For example, students and undergraduates may, within a day after the exam, file an appeal on the results of the assessment. The department approves the Appeals Commission, which considers the appeal and the relevant decision.

In addition, students undergo an annual survey in Platonus, where they can express their opinion, dissatisfaction with the learning process or teaching staff (questioning according to the Regulations on the order of conducting a survey of students on prevention and receiving

information about illegal acts (corruption) by the teaching staff and officials of the KATU). Seyfullin, Regulations on the organization of multilingual education at the S.Seifullin Kazakh Agrotechnical University, Regulations on the privacy policy in S.Seifull KATU JSC Ina ", Regulation on the mechanism for evaluating student support services).

Trainees can also make an appointment with the Chairman of the Board on personal matters from 17.00 to 18.00 on Friday by appointment and state their complaint or problem.

Evaluation is carried out on a scale of educational achievements, which are registered in EMCD. Grades are set in the electronic journal of the PLATONUS program.

The correspondence of the level of knowledge of students is ensured by the development of a scale of educational achievements and a survey of employers on the quality of graduate education. Forms and methods for determining knowledge: testing, interviewing, conversations, protection of diploma works, etc. Compliance with the procedures for assessing the level of knowledge of students is reflected in the standard Control and assessment of students' knowledge.

The professional level and competence of the members of the appeal commission is confirmed by the head of the department and the dean of the faculty. Requirements for them: high professionalism, competence, objectivity, consistency.

The correspondence of the level of knowledge of the students to the planned learning outcomes and the goals of the program is ensured by the high professionalism of the teaching staff, an appropriate and complete material and technical base, the carrying out of production and training practices corresponding to the EP.

The level of knowledge is provided by three criteria - current knowledge (produced systematically in the learning process); intermediate control twice (in the middle and end of the semester); basic control (exam) at the end of the course (semester).

At the current control, the following methods are used to control the assessment of students' knowledge: oral questioning, written verification, testing, conversation, practical verification, self-control and mutual checking. The grade is set in paper and electronic journals. Each practical and laboratory lesson is evaluated by the teacher.

The applied forms of knowledge control: protection of research projects, thesis defense, state exams.

In order to systematically test students' knowledge, a teacher evaluates academic achievements in accordance with a grade-rating system on a 100-point scale for each

completed task, for each answer in current classes. The final result of the ongoing monitoring of progress is calculated by calculating the average of all grades obtained during the academic period.

In cases where they do not achieve the planned learning outcomes, the department develops a schedule of extra classes and retake in the summer trimester.

Evaluation criteria and methods are prescribed in the IUPS, IUPM, IUPD. The transparency of the assessment procedure is reflected in the electronic journal PLATONUS, which each student has access to through an individual login - password.

In case of disagreement with the assessment received, the student submits a written appeal to the dean.

Students have free access to teaching methods, syllabuses, methodical instructions, which contributes to the development of learning materials. All UMCD complies with the requirements reflected in SO QMS The structure, content, order of development and approval of the educational and methodical complex of the specialty and the educational and methodical complex of the discipline with the credit system 02.2008-2017, the control about the assessment of students' knowledge passes according to conducting and evaluating the CDS and SIWT - according to the MI QMS Methodology for conducting the SIW and SIW 02.2011-2017 in S.Seifullin KATU.

Students who have not mastered the learning outcomes receive additional training in the summer semester, passing according to the schedule in June.

The dynamics of the preservation of students from the 1st year of 2015-2018 amounted to 30%, so in 2015 at the beginning of study there were 9 students, in 2018 - 6 students.

Tracking along the educational path is carried out by transferring students from course to course. Achievement of trainees is monitored by the average grades obtained in different years.

The satisfaction of employers with the level of training of students is assessed by questioning. Thus, as a result of the questioning, a positive assessment is given at 99%.

The student's progress along the educational trajectory is monitored by the advisors and the management of the EP as a result of monitoring the card index and the individual plan of each student in Platonus, which reflects the progress, credits passed, and the level of GPA.

Learning outcomes are evaluated by methods of conducting a state exam and defending a thesis. By the order of the dean the SAC commission is approved, consisting of leading

teachers of the department with a scientific degree; The chairman is appointed specialist in the specialty of the EP or adjacent to it, with a degree, from an outside organization.

Person evaluating learning outcomes undergo advanced training as

in Kazakhstan and abroad. Leading teachers of our department passed and improved their skills in Russia, China, Turkey, USA, Finland, Japan:

Turkey - Narbaev S., Aubakirova G.A., Zhaparova A.T., Orazgaliyeva K.S., Kuanchaleev Zh.B., Marlenov E.B.

Russia (Astrakhan) - Jamanbaev T.D., Aubakirova G.A. (Novosibirsk)

China - Syzdykov K.N., Narbaev S., Aubakirova G.A.

Japan - Kazikhanova S.R., Kuanchaleev ZH.B.

Finland - Kuanchaleev ZH.B.

USA - Kuanchaleev Zh.B., Marlenov EB

SWOT - analysis of the standard "Student-centered learning, teaching and assessment of progress" are given in Table 10.

Table 10 - SWOT - analysis according to the standard "Student-centered learning, teaching and assessment of progress"

The strengths of the EP	Weaknesses EP
1.Each student has the opportunity to create an individual educational program aimed at the formation of professional competence 2 The effectiveness of the mechanism for an objective assessment of learning outcomes, appeal, transparency of criteria and assessment tools. 3 Well-organized organization of student centered training at all levels of training EP 4 The presence of a monitoring system for the progress of the student along the educational trajectory and the achievements of the student	1 Improving their own developments in the teaching methods of the educational process

Conclusion: Guide EP: provides equal opportunities for students, taking into account their individual characteristics; introduces and applies active and innovative teaching methods; monitors the SIW and its results; monitors student and employer satisfaction; makes decisions

based on feedback; monitors the progress of students in the educational trajectory and achievements; provides a mechanism for an objective assessment of learning outcomes.

Specialized profile EP 5B080400- "Fisheries and industrial fisheries" contains the following self-assessment of compliance with the standard 12 "Student-centered education, teaching and assessment of performance": by 8 criteria has strong positions, according to 2 criteria satisfactory.

7 LEARNERS

According to the “Model rules for admission to studies in educational organizations that implement educational programs of higher education”, approved by the Decree of the Government of the Republic of Kazakhstan dated January 19, 2012 № 111

The formation of a contingent of students is carried out by placing the state educational order for training specialists with higher education, as well as paying tuition for citizens' own funds and other sources.

A contingent of students is formed when people are admitted to the number of students most prepared to study at a university, who deliberately chose a specialty, scored the required number of points based on the results of UNT — general secondary school graduates, KTA - graduates of secondary special education on the basis of state order (grant) and commercial basis, as well as specialists with diplomas for obtaining a second higher education on the basis of an interview.

The formation of a contingent of undergraduates is carried out through the placement of the state educational order for the training of scientific and pedagogical personnel, as well as tuition fees at their own expense of citizens and other sources are presented in Table 11.

Table 11 - Coaching of the daycare department for 1 course in the specialty: 5B080400 - “Fisheries and industrial fishing” for 2014-2018.

Enrolled students	2015-2016	2016-2017	2017-2018
Total	19	29	8
Grant	3	-	-
Paid	16	29	8

To improve the efficiency of the contingent of students of the educational program "Fisheries and Industrial Fisheries" an annual analysis is conducted. Thus, in 2015–2016, the total number of students in undergraduate studies was 130, in 2016–2017 the total number of students in the specialty was 102, and in 2017–2018 the total number of students was 56. In 2015–2016 the number of first-year students in the specialty was 19, 2016-2017; the number of first-year students was 29, and also 2017-2018. The total number of students was 8.

Information about the contingent of students in the undergraduate specialty 5B080400 - "Fisheries and industrial fisheries" are given in table 12.

The contingent of undergraduate students in the specialty 5B080400 - “Fisheries and industrial fishing” are listed in table 13.

Table 12 - Information about the contingent of students in the undergraduate specialty 5B080400 - "Fisheries and industrial fisheries"

Enrolled students	2015-2016		2016-2017		2017-2018	
	full-time	correspon-dence	full-time	correspon-dence	full-time	correspon-dence
Grant	52	-	34	-	19	-
Paid	130	-	102	-	56	-
Total	182	-	136	-	75	7
The average score on the basis of the UNT and CTA	72	-	83	-	75	

Table 13 - Contingent of students in the bachelor degree in the specialty 5B080400 - “Fisheries and industrial fishery”

Language learning	2015-2016		2016-2017		2017-2018	
	full-time	correspon-dence	full-time	correspon-dence	full-time	correspon-dence
kaz	98	-	75	-	41	-
rus	84	-	61	-	34	7
Total	182	-	136	-	75	7

Graduates ofEP can also continue their education in the specialty hardware. In 2008, the license was received by the MON of the Republic of Kazakhstan for the preparation of the specialty 6M080400 “Fisheries and industrial fisheries”.

Table 14 provides information on the number of students in the magistracy over the past 4 years.

Table 14 - Information about the admission of students to the magistracy in the specialty 6M080400 - "Fisheries and industrial fisheries"

Enrolled students	2015-2016	2016-2017	2017-2018
Total	4	2	1
Grant	4	2	1
Paid	-	-	-

For applicants applying for training, a higher education institution presents information on the site for applicants with information on higher education (bachelor) specialties, information on specialties in postgraduate education (graduate and PhD), information on specialties with reduced terms of education (distance learning), cost training, passing points on state educational grants (higher education), admission rules and modular educational programs in the field.

Informing students about the requirements of the educational program and the specifics of its implementation before learning is provided through career guidance in schools and colleges, open days of the university, exhibiting information on social networks Facebook, YouTube, Instagramm, as well as posting information in the publication “Egemen Kazakhstan”, “ Менің university, "" Evening Astana "and d.t. Placing video clips in social networks more broadly reveals the essence of EP, the educational process, the importance of passing professional practice in state institutions and business entities in the field of fisheries and the further employment of graduates.

The admissions committee of S.Seifullin KATU during the reporting period carried out work on the organization and conduct of admission of students for 1 courses in accordance with the Model rules for admission to educational organizations that implement professional curricula of higher education (approved by the Government of the Republic of Kazakhstan dated January 19, 2012 No. 111, as amended on April 19, 2012 No. 487, dated June 30, 2012 No. 896).

Enrolled students can learn about the procedure for the implementation of contingent formation procedures in the organizational structures of the university, such as the admissions committee, dean's office, department and student service center where students, undergraduates, doctoral students, applicants and their parents can receive information about the rules of admission, transfer from course to course , from other universities, deductions, etc.).

Academic indebtedness is found in students who do not receive loans from one or more of the number of credits established in this semester. A student who has collected an established transfer point and transferred to the next course in the presence of academic indebtedness, eliminates academic indebtedness on a fee basis, retaining the EP.

The student who did not pass the academic debts at the scheduled time, will be returned for re-training. At the same time, they can be trained according to the previously adopted IEP or form a new individual curriculum. If a student enrolled in a state educational order did not receive the required number of credits provided for by the Republican Unitary Enterprise, he has the right to re-examine the relevant disciplines on a fee basis.

A student enrolled in a state educational grant and left on a second course for a further period of study is deprived of a state educational grant. Students who have gone on academic leave retain state educational grants.

The procedure for granting academic leave to a student is governed by the Rules for granting academic leave to students in full-time educational institutions, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated November 12, 2004 No. 906 and the Regulations on the procedure for deduction, transfer, rehabilitation and granting academic leave to students S.Seifullin KATU.

A university graduate who passed all exams for the entire period of study with grades "A", "A-", "B +", "B", "B-" and scored an average grade point score (GPA) of at least 3.5, and also defended a thesis (project) and passed state exams with a grade of "A" or "A-", is awarded with a diploma with honors in the absence of repeated exams during the entire period of study.

For students who have problems with training, it is allowed to introduce a summer semester, with the exception of the graduation course, up to 6 weeks to meet the need for additional training, to eliminate academic debt or the difference in curricula, to study - in agreement with other universities - academic disciplines and development loans to students with their mandatory transfer to their university.

The progress of students of the university can be traced through online resources (http://platonus.kazatu.kz/), here each student, as well as their parents can track the progress of students. Each student, undergraduate, doctoral student has a login and password.

At the end of the school year, the registrar's office department counts the GPA of each student. Transferable GPA for students who have completed the first year is 1.67 points;

completed the second course - 1.9 points; finished third year - 2.0 points. For undergraduates of the specialty 6M080400 - “Fisheries and industrial fisheries”, the translated GPA is 2.0 points.

Information on contingent formation is located on the website (http://kazatu.kz/ru/).

One of the most important tasks in higher education is to work with first-year students, aimed at their early adaptation to the new system of education, social relations and the assimilation of the new role of students.

In high school for incoming and foreign students, the EP's management conduct special adaptation programs: studying the personality characteristics of first-year students, a round table with the participation of representatives of social, extracurricular, educational work, conducting curator hours, during which various problems of first-year students will be discussed, and various events will be held , development and improvement of educational programs for first-year students, the organization of practical exercises that contribute to the increase in the level of understanding all the difficulties of the adaptation period, learning how to overcome them and developing constructive communication skills, organizing work with curators and teachers, individual and group consultations of students and teachers.

The purpose and objective of the introductory course is to familiarize students in the direction of their future profession, objects and types of professional activity, as well as with the system of university education and the organization of the educational process at the faculty. And also to understand the functions of the bachelor of agriculture in the specialty 5B080400 - “Fisheries and industrial fisheries” in various subjects in the field of fisheries, to acquaint students with the curriculum of the specialty and to understand the importance of disciplines for professional training of a specialist.

Currently, there are no foreign students at the department of "Hunting and Fisheries" among students in the specialty "Fisheries and industrial fishing".

In 2010, Kazakhstan became the 47th country to join the Bologna process. After the signing of the Lisbon Convention in 1997, Kazakhstan implemented a number of major reforms in higher education: a transition to a three-stage education system with the award of bachelor, master and PhD degrees; introduction of a credit system of education. The implementation of the main provisions of the Bologna process in universities of Kazakhstan is everywhere. Such work is actively carried out in the first university of the capital - S. Seifullin Kazakh Agrotechnical University.

Since 2001, the educational process at the university has been conducted on a multilevel system using credit technology, with the introduction of unified systems of credit units - loans.

Such training is based on the choice and self-planning by students of the sequence of studying disciplines using credit as a unified unit of measurement of the amount of study work and who studies and who teaches.

The word “credit” means trust when a university entrusts a student and teacher to work together to develop professional knowledge and skills, where one of the main conditions is to reduce the amount of ready information provided to students and develop their desire to independently acquire knowledge.

There is a State Service Standard “Recognition and Nostrification of Education Documents”, approved by the Government of the Republic of Kazakhstan of August 31, 2012 No. 1119 (hereinafter referred to as the “State Service Standard”).

Procedures for recognition and nostrification of foreign educational documents are carried out by the RSE on the REU "Center for the Bologna Process and Academic Mobility" of the Ministry of Education and Science of the Republic of Kazakhstan.

2015 at the Department of Hunting and Fisheries, Ph.D. Aubakirova G.A. passed the nostrification of education certificates received in the Russian Federation for the diploma of doctor of philosophy (PhD) of the Republic of Kazakhstan.

The next provision of the Bologna process is to increase the mobility of students, faculty, administrative staff and mutual recognition of qualifications and relevant documents in higher education, providing students with academic freedom in choosing a learning path, enriching the content of educational programs with professional knowledge and competencies defined by standards each country.

As well as the implementation of the program of three-diploma education, the right of university graduates to be employed in any country.

- interaction with foreign organizations, embassies, universities and research centers on the establishment and expansion of international relations.

- inviting foreign scientists to give lectures and conduct practical exercises for students.

-academic mobility of students and faculty.

- internship of university teachers in foreign universities and research centers.

- coordination of work on the implementation of educational and scientific projects in cooperation with foreign universities and research centers.

- work with foreign students.

- organization of theoretical and practical training of students abroad.

- conclusion of contracts and memorandums of cooperation with foreign universities and organizations.

- English courses with native speakers for faculty.

Today the university cooperates with 26 international organizations and programs from 9 countries of the world: TEMPUS, ERASMUS MUNDUS, FAO, (European Union), TIKA, Mevlana Exchange Program (Turkey), MASHAV, (Israel) IAMO, LOGO e. V., Konrad Adenauer Stiftung, DEULA, DAAD, APOLLO, John Deere, CLAAS, Wiehenstephan-Triesdorf (Germany), AF (French Alliance), ESA (France), Qualita Studio, FederBio, (Italy), Cochran Fellowship Program, USDA , USAID, Borlaug Fellowship Program, FULBRIGHT, (USA), JICA (Japan), Chinese Machinery Institute (PRC).

The university has signed over 200 contracts and memorandums of cooperation with universities and research centers from 35 countries of the world. The Kazakh-German International Master Course "Agrarian Management" functions. The Kazakh-Chinese center of science and education functions. Students annually take part in the summer semester on the passage of theoretical and practical training in leading enterprises and farms in Germany, France, China. Students and undergraduates are trained annually under the program of academic mobility in universities in Italy, Germany, Latvia, Slovakia, Finland, Malaysia, Bulgaria, Poland, Belarus, Russia, the Czech Republic, Turkey, Estonia. Foreign students from leading universities in Germany, Italy, Poland, Hungary, Bulgaria, Lithuania, Estonia, Malaysia, USA, Czech Republic, Turkey, Switzerland, Belarus, China, South Korea, Australia, Finland and Russia give lectures and practical classes to students of the university. Foreign students from China, Mongolia, Russia, Tajikistan, Uzbekistan, Ukraine, Azerbaijan and Afghanistan are studying under the bachelor and master programs. Students and teachers successfully participate in the competitive selection of applicants for the award of the international scholarship of the President of the Republic of Kazakhstan "Bolashak". English courses with native speakers from the USA, Singapore, Malaysia, and Hungary are held annually for faculty members.

For the implementation of EP with universities of the Republic of Kazakhstan signed an agreement on cooperation with the Kazakh National Agrarian University, West Kazakhstan State University, as well as the Kazakh National University (KazNU) them. AlFarabi

An important factor is the academic mobility of students and faculty members (the opportunity to study for a certain time in other Kazakhstan and foreign universities, academic exchanges of faculty members) and the availability of a mechanism to recognize the results of academic mobility of students. Academic mobility at a university is carried out through the implementation of the following mechanisms:

- departure of students for theoretical and practical training abroad on educational programs;

- rganization of the summer semester for individual educational programs with the invitation of teachers and students from other universities to ensure mobility;

- organization of internships for teaching staff in other universities of the Republic of Kazakhstan and abroad with the aim of expanding academic exchange.

2015-2016 academic years from Atyrau State University 1 second year student was invited (spring semester, Satayeva Aidan Kanatbekkyzy), Atyrau.

In recent years, scientists from other regions have been invited: Dr. PhD, Annie Christianus (Putra University, Malaysia), Marian Lubomir Brzozowski (2014), Professor of the Warsaw University of Life Sciences (Poland), Dr. PhD, Professor of the Institute for Management of Wildlife and Vertebrate Zoology (Sopron, Hungary) Andras Nahlik (2014), Dr. PhD, Professor of the Department of Biology of the University of Eastern Finland (Joensuu) Reine Kalevi Corteta, Doctor PhD, Professor of the University of Putra Malaysia Jamila Binty Bakar (2015).

In order to develop external academic mobility in 2017, senior teacher Kazikhanova S.R. She took advanced training courses on “The Experience and Problems of Higher Education in Japan” at the University of Tsukuba, Japan.

2018 Asylbekova AS, Senior Lecturer of the Department of Hunting and Fisheries participated in the “International Winter School - 2018” (has participated in the International Winter School) KazNAU.

2016, Senior Lecturer of the Department Marblenov EB, Kuanchaleev Zh.B., held a seminar on the topic "Sustainable development of aquaculture" Istanbul, Turkey.

On external academic mobility, Keranbayev Rolan Anatolyevich, a 2nd year undergraduate in the specialty 6M080400 - Fisheries and industrial fisheries, traveled for one academic period (semester) from September to December 2016 at the University of California at Davis.

Recalculation of loans for other types of academic work is carried out using the following conversion factors: 1 practice: - study - in the range from 0.5 to 0.6; - pedagogical - in the range from 1.0 to 1.2; - production - in the range from 2.5 to 3; - research - in the range from 4.0 to 4.8; 2 research, experimental work of a student - from 4 to 4.8; 3 final certification of the student - from 3.2 to 4.5.

Credits are accrued to the student only after successfully passing the final control of the discipline. The ECTS grading scale includes five positive grades (from “A” to “E”), an “FX” rating that can be corrected, and an “F” rating without providing loans.

The knowledge assessment system of the Republic of Kazakhstan, based on the score-rating letter system for evaluating students ’educational achievements, includes ten positive grades (from“ A ”to“ D ”), which provide for the assignment of credits and one unsatisfactory grade of“ F ”without granting credits. Translation of ECTS grades into a point-rating letter system for evaluating students ’educational achievements and vice versa is carried out in accordance with Appendices D, E (Regulations on the organization of external academic mobility of students in KazATUPSHMO QMS 11010.98-2014). The transfer of credits according to the ECTS type is organized by DAW together with the departments.

Information about the beginning of the selection of candidates for participation in external academic mobility is also posted on the website of KATU. S.Seifullin. Heads of departments ensure that students are informed about the beginning of the selection of candidates for participation in external academic mobility within a period of not more than three working days from the date of receipt of information on the beginning of the selection of candidates from the CRMS & NPS.

Informing is done by placing ads on the bulletin board of the department, through curators, teachers, other available means.

The responsible executor of the CRMS & NPNA provides registration of students' applications of intent to participate in external academic mobility (application letter) and generates a list of candidates for participation in testing to determine the level of English proficiency.

The organization of external academic mobility is carried out on the basis of a tripartite agreement and agreement on training under the program of academic mobility concluded between KATU them. S.Seifullin, a partner university and a participant in external academic mobility.

If necessary, between universities an additional agreement is concluded for training in accordance with Appendix B or in the form established by the partner university, which is signed by the coordinators of the DAA, CRSM and NPNA, the department and the university.

On the basis of the order to leave for study at a foreign university, the partner of the DF makes an individual planned calculation of expenses and makes an advance payment of cash to a bank card account of a participant in external academic mobility.

One of the indicators of quality education in universities is not only the acquisition of theoretical knowledge by students, but also the acquisition of practical skills in the specialty. To accomplish this task, it is necessary to create production departments of the university, where students would directly learn practical skills, new research methods, conduct research projects and then carry out diploma projects and projects.

The main purpose of the formation of this economy was, above all, the creation of a base of industrial training for students in the specialty 5B080400- “Fisheries and industrial fisheries”.

The main objectives of economic activities include practical training of students in the specialty "Fisheries" in the management of fisheries and the management of the population of fish listed in the red book.

Knowledge of the biological and ecological characteristics of the fauna by observation in natural and artificial conditions, as well as the implementation of protection and control over the state of the number of fauna, carrying out activities for the reproduction and amateur, sports and commercial exploitation of fishing objects.

The use of educational and experimental farms at the educational level leads to an increase in the knowledge of not only the theoretical plan, but also practical, allows you to bring the education of future specialists to production, to give the necessary skills in solving problems in various practical conditions.

For the implementation of EP, the University cooperates with research institutes, such as KAZNIIRH and Akmola regional society of hunters and fishermen.

The Research Center for Fisheries was opened on the basis of the Department of Game Management and Fisheries in accordance with the order of the Chairman of the Board of JSC Kazakh Agrotechnical University named after S.Seifullin "" No. 577 of October 10, 2010, according to the "Concept for the Development of Fisheries of the Republic of Kazakhstan for 2007-2015" (Decree of the Government of the Republic of Kazakhstan dated October 6, 2006

No. 963) and "Strategic Plan of the Ministry of Agriculture of the Republic of Kazakhstan for 2010 - 2014 ”(Decree of the Government of the Republic of Kazakhstan dated December 31, 2009 № 2339).

The purpose of the Research Center "Fisheries" is to determine the development priorities of the main areas of scientific research and the most relevant areas of fish farming, fisheries and aquaculture; the search for optimal solutions to the problems of integrating science and practice and the training of qualified scientific and pedagogical personnel; development of recommendations on the coordination of the activities of SIC “RC” with related universities and research institutes for the formation of scientific programs carried out at the expense of the State budget on a competitive basis. In its daily activities SIC “PX” realizes the following tasks:

- performance of research, design and implementation works in the field of fisheries; - participation in competitions in the priority and most important areas of fundamental and applied research in the field of fisheries, as well as in international projects;

- development and implementation of innovative projects on current problems of the fisheries of the Republic of Kazakhstan;

- the formation of creative teams from among the leading scientists of the department and related scientific organizations, as well as students and undergraduates for the implementation of projects of republican scientific assignments and international programs;

- participation in the formulation of programs and methods of scientific research and control over their implementation by the responsible executives of the topics;

- search and attraction of promising research workers from among graduates of a doctoral studies, master's programs, with the aim of strengthening human resources, etc. The SIC "RC" includes scientific subdivisions: a laboratory of hydrobiology and ichthyology, a workshop for growing valuable species of fish, a laboratory of ornamental fish farming.

SIC RH creates a base for practical training of fishery specialists in acquiring the skills of fish farmers in the cultivation of valuable species of commercial fish, in particular sturgeon and carp. On the basis of the SRC "RC" bachelors and undergraduates perform research work, theses, dissertations.

The economic activity of the Unitary Enterprise for Labor Code of the “Dudarai” ORH can be carried out only if there is an appropriate material and technical base. Great work on the acquisition of the material and technical base of the economy is carried out by the staff of

this economy with the support of the university. So, for the formation of the material and technical base of hunting, two portable container wagons were purchased (one for students to live with -10 beds and a second office-car), a UAZ farmer car, Rys and Taiga snowmobiles, and watercraft (2 motor boats), expedition equipment (tents, sleeping bags, navigator, echo sounder, etc.) and fishing equipment (web materials).

For the development of fisheries in the inland waters of the Dudarai unitary enterprise, equipment for the fish reproduction department was purchased and a mini-reproduction workshop was installed at the department.

In order to develop a production and practical base on the territory of the UPDKH "Dudarai", it is planned to build a hostel with audiences for conducting on-site practical training in the department's specialties.

The method of holding a graduate fair is improved every year through organizing monitoring of potential employers, strengthening existing ties of cooperation with employer organizations.

Preparation and graduation of masters of scientific and pedagogical direction of specialty 6M080400-Fisheries and industrial fisheries in 2014, graduate students graduated 8 masters, 2015 - 4 masters, 2016 - 4 masters, 2017 is expected to graduate 1 master.

With further employment the following masters were left at the department: Marlenov E., Shakharova S., Tokhtarbaeva Z.h., Orazgalieva K.S.

Graduates of the bachelor's program at the end of the EP receive an academic degree of bachelor of agriculture in the specialty 5B080400 - Fisheries and industrial fisheries. Graduates who have completed training in the Master's educational program are given a state diploma with the award of an academic degree "Master of Agricultural Sciences in the specialty 6M080400 - Fisheries and commercial fisheries".

An important factor in the professional activity of graduates is the monitoring of employment. The department constantly monitors the work of graduates, invites to meet with freshmen, helps in further professional growth through training in the magistracy.

The department closely cooperates with the Committee of Fisheries of the Ministry of Nature Protection and Water Resources of the Republic of Kazakhstan and the Research Institute of Fisheries of Almaty on research and production partnerships.

The cooperation of the department with the practice bases promotes marketing of the regional labor market and, as a result, expanding the circle of potential employers. During the

reporting period, the share of graduates employed by the profile of the received specialty amounted to an average of 70% in undergraduate majors.

The demand for graduates is one of the most important characteristics of the effectiveness of the work of the department and allows you to judge the quality of training.

Of particular importance in modern conditions is the formation of students' legal consciousness, the readiness to resist unlawful manifestations in the youth environment; raising the social status, civil patriotic, legal and multicultural education of young people. The events held within the framework of civil-patriotic, legal and multicultural education increase the level of content, methods and technologies based on real interaction of educational structures.

The university has the following student collegiate bodies: the Committee on Youth Affairs; Alliance of Students of Kazakhstan; youth wing of the party "Zhas Otan"; student parliament; student council; student union committee; Debate club "Amanat" are listed in Table 15.

Table 15 - the Number of students belonging to the collegial bodies of the faculty

№	Student collegiate bodies	Number of students belonging to the collegial bodies of the faculty				Function
		2014-2015	2015-2016	2016-2017	2017-2018	
1	Faculty Youth Committee	2	2	1	3	Conducting youth policy at the university and the development of measures for its implementation. Participation in the organization and improving the educational process in the faculty
2	Youth wing of the party "Zhas Otan" faculty	-	-	-	-	Participation in patriotic events, holding various actions, development of political literacy of students
3	Student Council Faculty	-	-	2	1	Conducting control over the order and cleanliness of the hostel
4	Faculty Council	-	-	-	-	Making decisions to improve the work of the departments of the faculty

The department operates a student group "Ichthyologist" where students are involved in the specialty 5B080400 - Fisheries and industrial fisheries. 2014-2015, 31 students were involved in the work of student circles, 2015-2016 - 25 students, 2016-2017 - 27 students, 2017-2018 - 23 students.

As part of the development of civil-patriotic education, curators of the department conduct curator hours for Independence Day, Constitution Day of the RK, Victory Day, Defender of the Fatherland Day, etc. events, as well as thematic essay and newspaper contests, where students of the specialty received prizes. For students of the specialty, such events as a virtual round table on the theme “The First President of the Republic of Kazakhstan” were held, and the Message of the President to the People of Kazakhstan is discussed annually. For the full disclosure of the creative potential of the individual students, specialty organized informal contests and festivals, concerts, evenings, exhibitions of their own works, disputes, visits to concerts, museums, exhibitions, etc. Every year, students of the 1st year of S.Seifullin KATU attend an educational event at the museum of the first President of the Republic of Kazakhstan, S.Seifullin museum, etc., to expand their horizons, they specialize in national parks and reserves (Korgalzhyn State Nature Reserve, Karatau Reserve, Alakol State Reserve, Markakol Reserve, etc.).

Currently, there are sports sections in volleyball, basketball, table tennis, and national types of games.

Students annually take part in the Republican subject Olympiad, which is held at the Kazakh National Agrotechnical University in Almaty. Each year, students of the specialty perform and occupy the II and III prizes (2015-2016. Udesan Rauan - 3rd place, Litosh Tatyana - 2nd place, 2016-2017. Patyat Aisha Bolatkankyzy - 2nd place, Ikrambaeva Ainura Daniyarovna - 3rd place, 2017 - 2014. Imbaeva D.S., Saulebekova M.E. - 3rd place).

The educational program for the specialty 5B080400 - “Fisheries and industrial fisheries” and 6M080400 - “Fisheries and industrial fisheries” provides the following conditions: acquiring a high general intellectual level of development, mastering conversational Kazakh (Russian), foreign languages, culture of thinking and scientific organization skills labor; high-quality mastering of professional skills in the field of forestry, the formation of the fundamental theoretical training of future bachelors for the transition to the second and third levels of higher professional education (magistracy and doctoral studies); formation of graduates' competitiveness in the labor market for the fastest possible

employment in the specialty and professional growth, the choice of individual programs in the field of education.

The educational program will provide profound theoretical knowledge and practical skills in the study of hydrobionts, rational management of fisheries in natural and artificial reservoirs and the biotechnology of reproduction of valuable and commercial fish species and forage objects.

The main professional roles of students in the undergraduate degree, their features are as follows:

- production and management;
- organizational and technological;
- research;

The main professional roles of students in the magistracy, their features are as follows:

- educational (pedagogical, educational);
- research;
- project;
- production and management;
- organizationalandtechnological.

he most important part of the research work of the department is the research work of students. The research work of students is carried out in accordance with the annual and long-term plans of the Academic Council of S. Seifullin KATU, research and development work, the Council of young scientists, faculty and department.

The dynamics of the development of students in recent years has an extraordinary character and is presented annually with significant fluctuations in their values. In total, 56 students are trained in the specialty, of which 20% of students participate in R & D. Student work is prepared annually at the in-house competition. Works are performed in Russian and state languages.

In 2018, a 4th year student, was awarded the 1st place at the university level for competitive work under the motto “Chlorella” (head Professor G.A. Aubakirova), and G. Zh. Abzhanova, at the university level for competitive work under the motto “Pisces-water, birds-air, and man-all earth” was awarded 2nd place (head senior teacher Sabdinova D.K.), student Basalov D.S., for competitive work under the motto “Chlorella - source of vegetable protein "was awarded 3rd place (senior teacher Asylbekov A.S.). In 2017, from April 15-20, the

Republican subject Olympiad among students of higher educational institutions of the Republic of Kazakhstan in the specialty 5B080400 - “Fisheries and industrial fisheries” was held in KazNAU in Almaty. According to the results of the Olympiad, the following students won prizes: 2nd place - Imbaeva D.S., Saulebekova M.E.

The university has a mechanism for monitoring student satisfaction with university activities. There is a system of student support services. Systematic work is being carried out with respect to creating the most favorable conditions for the quality provision of educational services and social support for students, creating the necessary conditions for their personal development and upbringing.

During the school year, the needs, requests, interests of students and teachers are regularly examined through opinion polls and questionnaires to identify public opinion. In order to determine the level of satisfaction of the educational and social needs of students, attitudes towards the educational process and the chosen specialty, the socio-cultural environment and the psychological atmosphere in the university team, the problem of upbringing and areas of educational work, the student’s satisfaction with the educational process is conducted.

The department prepares future specialists in the specialty 5B080400 - “Fisheries and industrial fisheries” in two educational programs: 1. Commercial fish farming; 2. Networking; 6M080400 - “Fisheries and industrial fishery” in two directions: 1. Industrial fish farming.

The department developed a plan for the development of the curriculum, the main purpose of which is to develop the qualifications of future specialists, create prerequisites for individual research activities, training to work with scientific and technical information, the ability to systematize and disseminate the information received. Table 16 shows Information about the employment of graduates of EP.

Table 16 - Information about the employment of graduates of EP

Specialty	Release in 2018		Of them are employed	Employment, %	Region
	Total	including those trained by the state order			
5B080400 - Fisheries and industrial fishery	26	6	19	73	Northern region

6M080400 - Fisheries and industrial fishery	1	1	1	100	Northern region

At the university, gifted students are identified through competitions, contests, and the results of academic performance for the semester.

The faculty has a program to support gifted students, which is an integral part of the training of qualified specialists who are able to individually and collectively solve professional, scientific, technical and social tasks using creative methods.

The main forms of incentives are:

- taking into account the results obtained in the process of carrying out scientific work (prizes in the annual competition of scientific projects, diplomas for participation in the annual Republican conference "Seyfullin readings" and others);

- nomination of the most talented students for the state scientific and nominal scholarships, scholarships established by various organizations and foundations, etc.

- presentation of the best student works at contests, exhibitions and other mass events, providing for awarding the winners;

- recommendations for training or internships at leading educational and scientific centers under the Bolashak program;

- nomination of the most talented students to the annual competition "Student of the Year".

Candidates for the Presidential scholarship are nominated by faculties, and the decision is made by the academic council of the university. Candidates for encouragement for active participation in the public life of the university (Committee on Youth Affairs, Student Council) are nominated by the Council for educational work, approved by order of the Chairman of the Board of S. Seifullin KATU.

Students who take an active part in the public life of the faculty are nominated as a student asset, the decision is made by the dean of the faculty. According to the “Provision on the procedure for awarding vacant educational grants released in the process of obtaining higher education”, approved by order of the Chairman of the Board No. 45 dated February 6, 2013, a student studying for a fee has the right to transfer to a vacant state educational grant for the relevant specialty competitive basis.

At the same time, the right to transfer to education under a state educational grant is enjoyed by students who have only “good” and “excellent” marks for the entire period of study.

The university is informed about the support programs for gifted students through group curators, students' emails, as well as through the university website. For gifted students there are “Presidential” and other nominal scholarships. Each year, the University hosts a student contest “Best” in the following nominations: “Patriot of the Year”, “Volunteer of the Year”, “Student-Head of the Studio (Club)”, “Organizer of the Year”, “Headman of the Year”, “Athlete of the Year”, “Assistant of the Year”, “Discovery of the Year”, “Freshman”, “Student of the Year”, “Group of the Year”, “Creative Potential”, “Talent of the Year”, “Designer of the Year”, “Lead of the Year”, “KVNschik of the Year”, “ Vocalist of the Year "," "Instrumentation of the Year", "Actor of the Year", "Journalist of the Year". The winners are respectively awarded with diplomas and cash prizes, the size and type of promotion at the university is determined in accordance with the order of S. Seifullin KATU Board Chairman.

Gifted students after graduation have the opportunity to continue their studies in the magistracy. As part of academic mobility, it is possible to replenish knowledge in other universities of Kazakhstan and foreign educational institutions, conduct research on topical issues in the fisheries industry, along with scientists, take part in various educational programs, study foreign languages for free at the expense of the university, etc.

Control and assessment of knowledge of university students is based on a point-rating system. According to the results of current and midterm control, the registrar's office makes academic ratings of current student performance. The final control is carried out in the form of an exam or a differentiated credit.

The forms of examinations are blank, computer-based testing (including in the AIS "Platonus"), as well as oral and written interviews of students. The final decision on the examination in oral or written form is taken by the University UMC on the basis of a reasoned presentation of the department or faculty during the first month from the beginning of the academic period. The final grade of a student in a discipline is set by the amount of points earned by a student on all types of current and mid-term control, for the performance of CPC tasks and on the exam.

SWOT-analysis for the standard "Students" are given in table 17.

Table 17 - SWOT - analysis for the standard "Students"

Strengths	Weaknesses
1 Multi-level system of training specialists in the profile; 2 Introduction of innovative teaching methods; 3 Ensuring students the opportunity to exchange and express opinions; 4 Constant monitoring of students' satisfaction by specialty profile; 5 Providing students with a system of information and feedback; 6 A high percentage of performance on the results of the current, final, certification exams and the defense of theses; 7 The possibility of continuing education in educational programs of postgraduate and further education.	1 Insufficient organization of theoretical and practical training of students abroad in EP; **2 Lack of organization of faculty internships in organizations and enterprises of the near and far abroad;**

Conclusion: The university demonstrates the policy of forming a contingent of students from admission to graduation and ensures the transparency of its procedures, the conformity of its actions to the Lisbon Recognition Convention; EP management has demonstrated the implementation of special programs to adapt and support foreign students; actively stimulates students to self-education; the university cooperates with other educational organizations on academic mobility; The university provides practitioners with places of practice, assists in the employment of graduates.

Specialized profile "Students" contains the following self-assessment of compliance with this standard: by 11 criteria - a strong position, by 1 criteria - a satisfactory position.

8 FACULTY

Staffing policy is included in the following documents of S.Seifullin KazATU:

1 RPATE SMK 10010. 346-2012 Regulations on the procedure for advanced training of employees of "S.Seifullin KATU ”JSC , where the refresher training abroad, internships at enterprises are prescribed.

2. RPM SMK 11010.93 - 2014 Regulations on personnel management F.11010.93-01 Form of personnel reserve “S.Seifullin KATU"JSC

3. RSF SMK11010.92 - 2015 Regulations on the procedure of staff formation of the faculty at S.Seifullin KATU,JSC .

4. RSMR SMK10010.106 – 2014 Regulations on the system of material rewards of faculties, departments, lecturers in nominations.

5. RPCSL11010.123 – 2015 Regulations on the procedure of conducting the internal stage of the selection of lecturers of S. Seifullin KATU for participation in the competition "The best teacher of the university."

6. FECVTS SMK11010.131 – 2016 Regulation on F.11010.131-01 The form of the evaluation sheet of the rules for competitive vacancy filling of teaching staff and researchers of the JSC “ S.Seifullin. Kazakh Agrotechnical University “

7. RPDTL 02.2055-2017 Regulations on the procedure of distribution of the teaching staff load at the S. Seifullin KATU.

8. DP SMK08 - 2016 Documented staff management procedure.

The teaching staff of the department fully meet the indicators of staffing policy. The teaching staff is the main resource for the mission support of the university.All documentation is available for teaching staff and it is located at the Department of "Hunting and Fisheries" S.Seifullin KATU under the head “Quality Management System”, all teachers sign in the list of acquaintance with the QSM.

The competition is announced to fill his/her position at least 2 months before the end of the term of the teacher’s employment contract.A new employment contract is concluded with a teacher with the successful completion of competitive selection .

A participant provides a full package of documents according to the list on the university website in the Jobs section in hiring . The participant has the right to submit additional

information regarding his education, professional level (list of scientific publications, recommendations from the management of the previous place of work), as well as documents confirming work experience and qualifications.

The teacher `s dismissal in relation to the end of the contract is possible only in 3 cases: if the application for participation in the competition is not submitted, if the applicant is not selected at the University Academic Council, and it is upon person` s own. The dismissal of the teacher on the initiative of the employer is allowed if the employee does not match his position, lack of qualifications. The teacher may be dismissed due to the reduction in the number of staff due to lack of hours.

The need of the EP for faculty is determined by calculating the load hours for one academic year, as well as the number of students. There are 28 credits per one teacher. The EP requirement for TS is fully satisfied. The degree of lecturers teaching at the EP is 60% in the 2017-2018 academic year which is presented in Table 18.Table

18 - The scientific potential of the EP

	Middle age	Scientific degree	Work					Scientific degree				Scientific rank			members ы НАН РК	Члены общественных академий наук	Стипендиаты, лауреаты
			1,25 hours/week	1,0 hour	0, 75 hours	0,5 hours	0,25 hours	Master degree	Candidate of sc.	Doctor of sc.	PhD	Professor	Associated pr	Docent			
Regular teaching staff	45, 9	60	3	13	2	1	-	6	11	1	2	-	2	6	-	-	-
Part time teaching staff	51	50		-	2	1	1	-	2	-	-	-		1	-	-	-
General teaching staff	46, 5	60	3	13	4	2	1	6	13	1	2	-	2	7	-	-	-
Including women	37	66. 6	2	5	-	1	1	2	3	-	2	-	1	-	-	-	-

The present memberships of lecturers ensures the strategic development of the program.

Persons with higher or postgraduate education with relevant typical qualification characteristics of teaching staff positions and persons equivalent to them, approved by order of the Minister of Education and Science of the Republic of Kazakhstan No. 13 of July 13, 2009, are allowed to compete for positions of faculty members and researchers of higher educational institutions. 338 (registered in the Register of state registration of regulatory legal acts for the number 5750) (hereinafter - the typical qualifying characteristics).

Teacher's qualifications indicators are: the presence of pedagogical experience, work experience in higher education institutions, academic degrees and academic titles, scientific and educational work, government awards, honorary titles. These indicators speak about the quality of the teacher. It is important that the teacher is well aware of his discipline, he was able to correctly present it to the students methodically and pedagogically, the main thing is the presence of professional competence, methodological equipment, psychological and pedagogical erudition.

The pedagogical mastery of practicing teachers in hiring is assessed as a result of a personal conversation with a future teacher, but the most effective is to conduct the pilot lessons.Teaching staff with scientists degrees , and without scientific degree can teach for bachelors. Unlike the MBA, where the faculty consists only of doctors and Candidates of Science (PhD). Thus, it can be concluded that the teaching staff of this EP meets the qualification requirements for licensing educational activities and has full knowledge of modern teaching methods, which allows you to organize an effective learning process. Consequently, the faculty ensures the full quality of the educational program. Hiring and assignment of duties is carried out in accordance with the qualification requirements put forward to the teaching staff by the legislative acts of the Republic of Kazakhstan.

The number, personal memberships of the competition commission and the terms of its authority are determined by the academic council of the university and approved by the relevant order of the Chairman of the Board of S.Seifullin KATU..

The competitive commission determines the forms, procedures, specific terms of the competition, analyzes the tender documentation, makes a decision on the results of the competition.

The main tasks of the work of the competition commission: providing all equal opportunities for participation in the competition; ensuring fair competition among the participants; monitoring observance of objectivity, publicity of the competition.

In the course of the meeting of the competition commission, an interview is held with candidates for the vacant position. The purpose of the interview is to assess the professional and personal qualities of the candidates, taking into account the qualification requirements, characteristics of a particular higher education institution, a competition is announced for the vacant position .

The teaching staff has the right: to provide conditions for professional activities; to freely choose the methods and means of training that best meet the individual characteristics of the teacher and ensure the high quality of the educational process according to the approved curricula and programs; improve in the prescribed manner qualifications; elect and be elected to the academic council of the university (faculty); to participate in the discussion of the most important issues of educational, methodological, scientific, creative and production activities at meetings of academic councils of the university, faculties; to participate in the established order in international and republican scientific, methodical congresses, conferences, meetings; on moral encouragement and material reward for success in teaching and research activities, on awarding orders and medals and awarding honorary titles; to protect their professional honor and dignity; appeal against the orders and instructions of the university administration in the manner prescribed by law.

Each teacher has a workplace in the office, free access to the Internet, to the electronic library, the library of S. Seifullin KATU The department has multimedia boards, complexes for use in the educational process. For faculty members of the VTZh there is a possibility of free transportation to Uchkhoz (where educational building No. 8 is located) in the morning and evening by a service bus.

The favorable conditions are made for work of the faculty. Also, lecturers of KATU are provided with hostels and service apartments.

The teaching staff of this EP provides protection of life and health of students, complies with the requirements of safety and labor protection, fire safety; immediately notifies the administration or immediate supervisor of the occurrence of a situation that represents a threat to the life and health of people; respects the rights, honor and dignity of participants in the educational process; creates creative conditions for obtaining deep and solid knowledge and

skills of students ; studies the individual abilities of students, their family and living conditions; ensures the publicity of assessment, timeliness and argumentation of grading; maintains constant communication with the parents (legal representatives) of students, provides them with practical and advisory assistance in education, attracts parents to participate in the organization of the educational process.

In S.Seifullin KATU a trade union provides work and social support,represents and protects labor, economic rights and interests of the teaching staff. Namely, the trade union conducts control over the fulfillment of the main points of the collective agreement, the distribution of duties between members of the trade union committee, labor protection and safety inspection of work; provides financial assistance for organizing and holding events: New Year (New Year's matinees for the children of employees and the corporate party), March 8, the “Cheerfulness and Health” Olympics; a discount is granted for sanatorium-resort treatment of teaching staff (Kazikhanova S.R., Dzhamanbaev, TD, Syzdykov, KN, Aubakirova, G.A.).

Teaching staff is provided with housing, so Aubakirova GA, Syzdykov KN, Karagoyshin Zh.M., Kuanchaleev Zh.B. received apartments in the service house of KATU. .For the development of professional and general competences, teaching staff is carried out on refresher courses (Sabdinova DK, Barinova G.K., Kerimbaev RA).The needs of workers are identified through a survey conducted once a year, thereby monitoring job satisfaction with the conditions.

Teaching staff carried out work on the project 249 of the Ministry of Agriculture of the Republic of Kazakhstan for 2015-2017 "Development of biotechnical methods of growing new aquaculture objects in the conditions of fish farms in Kazakhstan" (head Zh.B. Kuanchaleev, lecturers : DK Sabdinova, G.K. Barinova, Marlenov E. B., Syzdykov K.N.); on projects of budget programs 055 for 2015-2017 “Improving the technology of closed water supply installations for breeding fish” (head was KN Syzdykov, lecturers: Zh.B. Kuanchaleev, EB Marlenov); for 2018-2020 “Development of the technology of growing new aquaculture objects at geothermal sources” (head KN Syzdykov, performers: Assylbekova AS., Zh.B. Kuanchaleev, EB Marlenov). Aubakirova G.A. is the scientific lsupervisor of the project on the lines of the Ministry of Education and Science of the Republic of Kazakhstan (2018-2020) on the topic “Bioproductivity of reservoirs in Northern and Central Kazakhstan with the definition of food safety of fish products” (project staff Narbaev S., Syzdykov KN,

Dzhamanbayev TD), Research Project Manager of the United Nations Program (UNDP) under an agreement concluded between S. Seifullin KATU on the topic: “Capacity Building in Fisheries and Aquaculture”, No. 2017-015 s / a, dated April 13, 2017. He is also a senior research officer of the project under the auspices of the Ministry of Education and Science of the Republic of Kazakhstan on the topic “Improving the technology of closed water supply installations for fish farming”.

The department conducts research such as growing fish (tilapia, sturgeon, clavia catfish) under conditions of RAS; the use of plants for water purification and the supply of oxygen in ultrasound; dilution of reddish cancer; use of eutrophic lakes in the conditions of Northern Kazakhstan. These studies are closely related and are actively used during practical and laboratory studies, which contributes to the development of interest in the chosen EP. In studies not only the faculty directly participate, but also students. In the process of studying these issues, the trainers form relevant reports for participation in Republican and international conferences, competitive works with which they win prizes at the Republican contests of scientific works.

Advanced training of teaching staff occurs in the following directions: aquaculture (Aubakirova G.A., Zhaparova A.T., Kuanchaleev Zh.B., Marlenov E.B.), aquaponica (Kuanchaleyev Z.B., Marlenov E..B.), informational innovations in the seo farm (Zh.B. Kuchanaleev), professional-oriented English (S.R. Kazikhanova).

Professional development of teaching staff is a prerequisite for the successful development of S. Seifullin KATU, thereby enhancing research and innovation activities. There is a continuous professional improvement of the faculty of this EP.

Advanced training of teaching staff according to the documents: PPPKS QMS 10010. 346-2012 Regulations on the procedure for advanced training of employees of "S.Seifullin KATU "JSC , Regulations on the organization of academic mobility of the faculty of S.Seifullin KATU.

The confirmation of the level of competence of teachers is the effectiveness and quality of teaching, assessed at the University by conducting open training sessions, mutual attendance of classes, as well as conducting a questionnaire “The teacher through the eyes of a student”. The results of these events serve as the basis for the extension of labor contracts for teaching staff, promotion, participation in the annual republican competition "The best teacher

of the university" (Regulations on the procedure for conducting the internal selection stage for teachers of S. Seifullin KATU for the competition "Best teacher of the university").

According to the results of the survey of students on the quality of education in the 2017-2018 academic year, the teaching staff of this EP received average scores of 4.61 (R. Kerimbayev) to 5, 00 (G. Aubakirova, G. B. Kuchaleyev, K. Murzagulov TO.).

To improve the quality of teaching, to ensure a close relationship with the production of the university, experts in relevant fields are invited as practicing teachers. The staff of the department includes production workers: director of the Northern branch of the Kazakh Research Institute of Agricultural Sciences, candidate of agricultural sciences, associate professor Kurzhykaev Zh.K., director of the UPORH "Dudarai", senior teacher Mironchuk I.I.

The share of practitioners at the EP is 11.5% of the total number of teaching staff of the department. These teachers, using their practical work experience, introduce them into the educational process in the form of business games, situational tasks, training, thereby improving the digestibility of the program and developing the skills of the future employee of the fisheries.

The administration of the EP supports young teachers: organizes systematic professional development (Kuanchaleev Zh.B., Marlenov EB, Zhaparova AT); takes measures to ensure the timely organization of education with the necessary equipment, teaching aids, household equipment. The young teachers are provided with official housing: apartments (Zh.B. Kuanchaleyev, G.A. Aubakirova), hostel (V.A. Arstangaliyeva).

In 2017, the senior teacher of the department Zhaparova A.T. entered PhD in the specialty 6D060700- “biology” under the program of targeted training at L.N. Gumilev. ENU

The educational process at the department is based on innovative learning technologies (business games, virtual tables, computer programs), informatization and computerization of the entire learning process, applying new concepts in the field of education and science, improving traditional teaching methods, creating and constantly replenishing the e-learning fund . The faculty of the department conducts 95% of classes using technical means of training. The results of practical understanding of innovative forms of education are discussed at the meeting of the department, methodological seminars, scientific and practical conferences.

For achievements in the educational field, many teachers of the department were awarded with honorary titles, certificates and badges. For achievements in the educational

sphere, they were awarded the “Certificate of Honor of the Ministry of Education and Science of the Republic of Kazakhstan” for scientific achievements in the field of science Ph.D. in veterinary sciences, associate professor Syzdykov KN, Ph.D., senior lecturer Jamanbayev TD, Candidate of Agricultural Sciences, associate professor Kurzhykaev Zh.K.

The effectiveness of the implementation of educational and professional programs in the specialty is achieved on the basis of educational and methodical complexes of disciplines, including a typical curriculum, a working curriculum of the discipline, syllabuses and other components provided for SMK of RK. On the basis of model curricula, working curricula and syllabuses have been developed. In the work programs and syllabuses, a thematic plan for studying the discipline is given, the volume of each topic in academic hours, their distribution by type of classes, a specific list of practical and laboratory classes, seminars, topics for course projects (works), all the topics that students study independently are listed. , forms of control, as well as a list of the latest basic and additional literature recommended for students.

For the creation of an educational-methodical complex of the discipline, “Guidelines for the compilation and execution of the UMCD” (UMC, protocol No. 6 of May 24, 2008) were prepared.

For the development of working curricula and syllabus at the department "Guidelines for the development and design of the work program", "Guidelines for the compilation of the syllabus" were prepared . Working curricula and syllabuses are annually discussed at the meetings of departments, methodological councils of faculties, improved with the achievements of science and practice, new requirements for the training of specialists. After preliminary examination, working curricula and syllabuses are discussed at the methodological council of the faculty and approved by the vice-rector for educational and methodical work (working curricula for the methodical council of the faculty).

The educational-methodical complex of discipline (UMKD) is undergoing preliminary expert review at the meeting of the department and the methodological council of the faculty. According to the results of the examination of the EMCD, it is approved and recommended for publication by the Educational and Methodological Council of the Institute. The number of published educational complexes in the disciplines was 33, including 25 in the Kazakh language. The provision of educational and methodical documentation for undergraduate specialties at the institute was 100%, which corresponds to licensing requirements. The preparation of teaching materials on credit technology contributes to the quality of the subjects

taught.

Over the past 3 years, teachers of the department underwent advanced training in foreign universities and research institutes: the FAO program “Improving the Production of Aquatic Products”, a research institute, the Republic of Turkey, Antalya, Istanbul, Fethiye (A. Zhaparova, G. Aubakirova ., Kuanchaleev Z.B., Marlenov EB), University of Agriculture and Veterinary Medicine Obihiro in Japan (Kuanchaleev JB), Nelson Aquaponics Program & Page Lnc. in the city of Montello USA (Marlenov EB) University of Tsukuba. Japan curriculum Experience and problems of the internationalization of higher education in Japan (S. Kazikhanova).

Teaching staff is actively involved in social life. Aubakirova G.A. and Jamanbaev T.D. are research workers of the State Enterprise “ZhasNur” of Akimat of Astana city, they carry out analysis of hydrobiology, hydrochemistry of water bodies of Akmola region. This enterprise carries out production and economic activities in the field of nature protection and nature management, creates an environmentally friendly environment for the population, develops hunting and fishing farms and tourism.

The teachers of the department participate in expeditions, so in 2014 Karagoyshin Zh.M. being a member of the Geographical Society of Kazakhstan, conducted research in the People's Republic of China (Kashkaria) during the expedition “Shokan Zholdarymen”.

Teaching took part in charity, so Asylbekova A.S. took part with the curator group in the charity concert “Give Hope”on January 25, 2018, for the treatment of Tuskoz Ayaru, suffering from brain cancer. Shakharova S.D., Aubakirova G.A., Barinova G.K., Zhaparova A.T. with their curatorial groups, they visited veterans of the Second World War, an orphanage, a nursing home in Astana with the aim of educating young people of moral qualities and mercy. The students presented small gifts for children and veterans.

Teaching staff of faculty participates in urban sports events and competitions, so S.R. Kazihanova. took part in competitions in cross-country skiing, held in Borovoe in winter in 2018 and also Kazikhanova S.R. is a member of the club of health and beauty of Astana, promoting, attracting new members.

Table 19 - SWOT - analysis according to the standard "Teaching staff"

Strong	Weak
1 High professional level of teaching staff 2 Systematic organization of monitoring of	1 Strengthen material incentives of young teachers

teaching staff, assessment of the competence of teaching staff, a comprehensive assessment of the quality of teaching, including the assessment of satisfaction of teaching staff and students. 3 Public availability of information on the achievements and performance of faculty	2 Strengthen the possibility of receiving refresher training of young teachers 3 Ensure the possibility of language training for young teachers

Conclusion: The university has an objective and transparent personnel policy; demonstrates the compliance of the staff potential of the faculty with the development strategy of the university, the responsibility for its employees and provides them with favorable working conditions; provides opportunities for career growth and personal development of faculty; engages practitioners in teaching; provides targeted actions for the development of young teachers; develops academic mobility within the framework of the EP, attracts the best foreign teachers; draws faculty into society.

The specialized profile of EP 5B080400- “Fisheries and industrial fisheries” contains the following self-assessment of compliance with the standard “Teaching staff”: according to 9 criteria it has strong positions and 1 criterion they are satisfactory.

9 EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEMS

The university has sufficient material, technical, information and library resources used to organize the process of training and education of students. The availability and level of the material and technical base of the university is in the process of constant updating and increasing .The development of an effective educational infrastructure is a prerequisite for successful implementation of the university, it is in the process of constant renewal and increase.

The development of an effective educational infrastructure is a prerequisite for the successful fulfillment by the university of its mission.The university has all the conditions for training students, undergraduates and doctoral students, conducting research, publishing the results of research and teaching staff, staff and students.

In the main building of the Kazakh Agrotechnical University there is a library,working hour is from 9.00 am till 20.00 pm .There is an equipped with an electronic reading room, an Internet cafe. Students have free access to computers. There is a reading room, a computer room (with Internet access).

The educational process of students of the specialty 5B080400 - “Fisheries and industrial fisheries” is organized in specialized auditoriums (room number 113).The classrooms are : 110, 119,104,105,101.

The area of classrooms per student meets to the standards established by the State Standards of the Republic of Kazakhstan ST RK 1158-2002 - “Higher professional education. Material and technical base of educational organizations.

Regulatory calculations:

1 The total area of classrooms, laboratories and the zoological museum at the department is 730 square meters, which is 6.7 square meters per student. (Calculation 730: 109) at a rate of 6 sq.m.

2 The area of computer classes is 110.0 sq.m.

3 The area of the lecture halls is 430: 109 = 3.94 sq.m.

4 Reading rooms and library area 1835: 109 = 16.83 sq. M

5 The area of the book depository is 659.5 sq. M for 1690349 units of books,

6 Assembly hall and other premises - 260 sq. M

7 Sports facilities are 19111.3 square meters

There is a medical center (clinic) with an area of 540 sq. M.to provide medical support for University Administration and students.

There are two canteens for Veterinary and Livestock Technology students. There are 50 -100 seats.

The total area of the library is 1835 square meters, of which 659.5 square meters of book storage. In S. Seifullin KATU the library works in two educational buildings, where there are: 3 subscriptions, 7 reading rooms, a recruitment and processing department, a department for the storage of book funds, a reference and bibliographic department

In the library of S. Seifullin KATU there is access to electronic resources: electronic library of the university - 1569 editions, Republican Interuniversity Electronic Library - 53400 editions, Russian Universal Scientific Electronic Library 2272, Kazakhstan National Electronic Library - 360, Thomson Reuters - 407400 editions and others.

The information technology room, which was equipped with 7 computers ,1 TV with video recorder for watching a lecture, a tape recorder was created in the library at the Faculty of Veterinary and Livestock Technology . All computers are connected to a local network.

The library has several of its own bibliographic databases: "Works of teachers", "Author's abstracts", "Rare books" and others. In the reading room, library users are given the opportunity to work with them. .The library participates in the creation of the Republican Interuniversity Electronic Library (RMEB) with the help of an electronic catalog that contains information about books and scientific articles, as well as educational materials of the university. Annually for replenishment of the book fund and for updating the computer base, the software of the information base is financed by the university.

When analyzing the quality of the stock of basic educational literature on the cycles of disciplines according to the degree of obsolescence, we took into account the fact of indefinite storage by their scientific value, as well as readers who are in high demand The scientific library as of January 1, 2018 has a book fund of 1690349 storage units, of which 818264 are literature collections in the state language, 185923 electronic publications, 2882 of them are teaching staff, 29 are electronic resources. Through the University’s electronic library on the university’s IP address range, access is provided to remote information resources, advanced electronic libraries of the world, such as Web of Science, Springerlink, Cabi Abstract,

Scopus.On the Russian database “Lan publishing houses”, “eLibrary.ru”, “University library online”.

The volume of the book fund of educational, educational-methodical and scientific literature is growing every year and is updated, it corresponds to the contingent of students (table 20).

Table 20 - General Fund of the Library on January 1

Indicators	2016	2017	2018
Total fund of all, ind	1577076	1589952	1690349
Kazakh language	806308	812719	818264
Textbooks of all, ind.	853120	864889	873366
Kazakh language	718441	724733	725218
English	2296	2299	3131
Electronic books	95169	95200	185923
Scientific literature, total copies.	594215	595191	596300
Kazakh language	61230	61235	62540
Fiction Total, ind	34572	34672	34760
Kazakh language	3981	4081	4117

On the website of the scientific library, 29 electronic resources are available to users of the university, of which 11 are licensed access and 19 are open access.

Since 2017, access to new Scopus databases has been organized. Science Direct and Scival, in 2018 access to the database of the University Library Online has been organized.

At the same time, students, undergraduates, doctoral students and teachers of the university use the services of state libraries: the National Academic Library, the Library of the Presidential Center of Culture of the Republic of Kazakhstan.

The library has the following catalogs: alphabetical, systematic, summary and electronic, there are also card files of newspaper and magazine articles.

Information support of educational and scientific-educational activities with access to full-text electronic resources of educational and scientific value fully satisfies the needs of students and teaching staff

The electronic library of the university has access to electronic resources through the Internet system shown in table 21 provided by JSC Kazakhtelecom. Access to the electronic library is carried out through educational portals www.kazatu.kz, sdo.agun.kz, portal.agun.kz.

Table 21 - Electronic resources of the university library on January 1, 2018

№	Names	Kazakh		Russian		English	
		books	magazine	books	journals	Books	journals
1	RMEB	14714	10218	21952	17990	491	948
2	RUNEB	-	-	-	6020	-	-
3	LANI	-	-	36820	700	-	-
4	**Ubo**	-	-	18473	-	-	-
5	libra PPP	1047	-	1694	-	133	-
6	SpringerLink	-	-	-		-	3423
7	ScienceDirect	-	-	-	-	-	3800
8	Scopus	-	-	-	-	index	37956
9	Web of Science	-	-	-	-	Indexes	12090
10	(Accounting.kz)					-	-
11	Adilet					-	-
12	**КНЭБ**	10862	1010	5320	484	63	14
13	**АНРС**	-	-	-		articles	94716
14	CAB Direct	-	-	-		Articles	73253
15	DOAJ	-	-	-		-	11000
16	DOAB	-	-	-		8860	
17	Arxiv.org	-	-	-		1362337	
18	AGRIS	-	-	-	-	Articles	9099370
19	INTECH	-	-	-	-	3208	-
20	OAPEN library	-	-	-	-	5966	-
21	BioMed	-	-	-	-	-	400

	Central						
22	OXFORD	-	-	-	-	-	44
23	Wiley open access	-	-	-	-	-	87
24	Cambridge University Press	-	-	-	1543	-	23
25	Cyberleninka	-	-	56000	-	-	-
26	Project Guttenburg	-	-	-	-	-	-
27	Elsevier	-	-	-	-	200	-
28	SpringerOpen	-	-	-	-	120	560
	Total	26 623	11 228	140259	26 737	19 041	20299

The educational process in laboratories is equipped with software, teaching aids, textbooks, guidelines. At the faculty computer classes are used for the technical design of term papers and dissertations, as well as for acquiring computer skills and drawing up the necessary documentation during the internship.

At the Faculty of Veterinary and Livestock Technology in order to provide students of the specialty 5B080400-Fisheries and Industrial Fisheries with educational and methodical literature, the scientific library functions are presented in Table 22.

Table 22 - Book Fund of the specialty 5B080400 - “Fisheries and industrial fisheries” for the 2017-2018 academic year

Total	Total			
	Textbooks	Scientific literature	Fiction	Periodic editions
45499	27421	15440	2638	48

Table 23 - Receipt of books in the branch of the library "VTAH"

Years	Total	names	English	Russian	Kazakh
2014	1915	212	49	681	1185
2015	1687	323	4	1073	610

2016	1531	218	5	878	648
2017	1692	78	2	745	945

The use of information resources of the university is carried out in accordance with the standard Information Resources Management of a scientific library.

.Improving education at the Department of Hunting and Fisheries is aimed at training highly qualified specialists, which involves the formation of highly educated creative individuals. Educational programs in the specialties of the department are constantly specified and improved in accordance with the pace of development of aquaculture and fisheries in Kazakhstan. .Basic research is focused on specific goals of the educational process.

The counseling of students on the educational process is carried out by teachers according to the work program of disciplines (syllabus). .The teacher's individual work with students is carried out with the help of scientific clubs, research projects, etc. The student may write a blog for the University Rector at any time , the office for the registrar, Platonus, or contact their group supervisor. .In case of problems related to the educational process, a mechanism to assist students is carried out through the dean's office, the office of registrars, and the possibility of re-passing current, mid-term controls.

An important role in educating students at the university is played by the adviser. The word "adviser" (from Lat. Curator) - trustee. The adviser helps students with the choice of educational programs, advising and informing the trainers on educational programs. In the process of work, the adviser relies on the active academic group, students, and their initiative. At the department, Kerimbayev RA, Aubakirova GA, Asylbekova A.S. are advisors.

The educational process at the Department of Hunting and Fisheries is carried out on the basis of innovative learning technologies (business games, virtual tables, computer programs), informatization and computerization of the entire learning process, application of new concepts in the field of education and science, improvement of traditional teaching methods, creation and constant replenishment of the electronic learning fund.The faculty of the department conducts 85% of classes using technical means of training. The organization of the educational process meets the requirements of credit and distance learning technologies. The planning, educational and internal regulatory documentation demonstrates compliance with the Rules for the organization of the educational process on credit technology of education of April 20, 2011 No. 152 and the Rules for the organization of the educational process for

distance technologies of April 13, 2010, No. 169..In particular, the modular curriculum development system, the principles of individual planning of the trajectory of students, the electiveness of elective courses and teachers, the individualization of students' independent work, the teacher's and student's virtual communication are successfully implemented. The list of elective courses included in the curriculum has been agreed with employers. There is software support for credit and distance learning technologies according to the documents of S.Seifullin KATU "Regulation on content, tests, for distance learning"; "Regulations on the management of the educational process in the AIS" PLATONUS "of S. Seifullin KATU.

Academic classes in all forms of education are conducted according to the schedules of classroom and independent work of students under the guidance of a teacher, approved by the First Deputy Chairman of the University Board. The schedule of classes is drawn up on the basis of working curricula 2 times a year for one semester with a duration of 15 weeks, distributed evenly taking into account 28-40 contact hours in the undergraduate degree, which corresponds to the state compulsory standard. .Monitoring compliance with the approved schedule of studies is carried out by deans and the department of planning and control of the educational process.

The distance education is a learning carried out with the use of information and communication technologies and telecommunications facilities with a mediated (at a distance) or not fully mediated interaction of a student and a teacher.

The distance educational technologies are based on conducting distance learning sessions in the "online", "offline" mode. .Online training sessions provide for the process of learning interaction in real time (video conferencing, by exchanging messages over the Internet, negotiations via telephone).

The training sessions in the off line mode provide for a learning interaction process in which the teacher and the student communicate asynchronously (e-mail, the student's work with the textbook on the teacher's assignment, followed by passing the final and / or final control).

The library resources, including educational, methodical and scientific literature on general education, basic and major disciplines used to organize the learning process, are sufficient and meet the requirements of the educational program being implemented

The students have access to a book and electronic collection of a scientific library, equipped with traditional and electronic catalogs, newsletters of new products, online resources, etc. The number of electronic media is currently 20%.

During the reporting period, teachers **working** the specialty were developed in accordance with SO QMS 1.1.06 - 2015 “On the preparation, examination and publication of educational and methodical literature in KATU named after S. Seifullin "

Thus over 2014-2018, the department employees developed and published 136 scientific and educational publications, including 1 monograph, 1 textbook, 26 educational (methodical) manuals, electronic textbooks, training programs. All published materials go through certain stages of consideration and internal examination in accordance with SO QMS 1.1.06 - 2015 On the preparation, examination and publication of educational and methodical literature in the KATU named after. S.Seifullin.

To improve the efficiency of educational activities, the necessary resources are placed in the base of the AIS “PLATONUS” in accordance with the requirements of the Program and Public Organization of Quality Management 11010.111 - 2016 “Regulations on the procedure for placement and updating teaching materials in the AIS "PLATONUS".

The information technology room with 7 computers, a TV with a video recorder to watch a lecture, a tape recorder was made in the library of the Faculty of Veterinary and Livestock Technology . All computers are connected to a local network.

Information support of educational and scientific-educational activities with access to full-text electronic resources of educational and scientific value fully satisfies the needs of students and teaching staff.

The electronic library of the university has access to electronic resources through the Internet system provided by Kazakhtelecom JSC. Access to the electronic library is carried out through educational portals www.kazatu.kz, sdo.agun.kz, portal.agun.kz.

The examination of scientific projects is carried out in the National Center for Scientific and Technical Information. In the National Center for Scientific and Technical Information, the examination of scientific projects is carried out according to 4 criteria. According to the results of the examination, scientific projects of the EP “Fisheries and Industrial” gained high points from 28 to 30; Also employees of the department Syzdykov K.N., Aubakirova G.A., Sabdinova D.K. participates in final midterm examination reports

Examination of the results of R & D projects by state and foreign scientists (annual

interim and final reports, monographs), graduation theses, and masters for plagiarism is regularly carried out. Also, at the department in electronic form in the electronic document management repository there are all job descriptions necessary for the administration of the EP, with which any interested person can familiarize.

In accordance with the Government Decree dated January 9, 2004 No. 20 and the order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 3, 2005 No. 352, in the institute an intermediate state knowledge control of 2-year students was conducted ,according to the results of which the specialties of the department are certified. The form of the exam (oral, testing, etc.) is determined by the decision of the faculty council during the first month from the beginning of the academic period. .The results of the final state attestation of students are evaluated on a point-rating system for assessing the knowledge of students and undergraduates. This takes into account the level of theoretical, scientific and practical training of the student, as well as feedback from the supervisor and reviewer.

.The organization and conduct of the midterm control of knowledge is carried out by the Office of the Registrar in conjunction with the dean`s office .The results of the midterm control are entered in the rating list, which is filled in the 1st copy and it is transmitted by the lecturer to the Registrar's Office, the dean's office and the department on the day of the midterm control.

When admitting to the final control, the indicators of rating controls are taken into account. In accordance with paragraph 8.12 of the State Compulsory Educational Standard of the Republic of Kazakhstan “Education System of the Republic of Kazakhstan. Control and assessment of knowledge in higher education institutions, approved by the Ministry of Education and Science of the Republic of Kazakhstan by order No. 61 of August 25, 2006 (GOSO RK 5.03.006 - 2006)

The final grade for the discipline is calculated if the student has a positive rating score. At the same time, a positive assessment in accordance with clause 7.6 includes grades from 50% to 100%, on the basis of which students and undergraduates who scored 50% or more from the 1st and 2nd mid-term controls are allowed to take the final control. When calculating the final grade for the discipline, the assessment of the current academic performance is 60% of the final assessment of knowledge, the exam grade is 40% of the final assessment of knowledge of the discipline.

The final knowledge control is carried out 2 times a year during the examination session

according to a schedule in oral, written and test forms. .The procedure for the examination and registration of the results of the final control is carried out at the university in accordance with the Instructional Letter on the organization of the educational process in higher educational institutions of the republic on credit technology of training of March 14, 2008 No. I-01 .In the statement of the final assessment of students and undergraduates, the results of rating control, exam and final assessment of the discipline are entered.

Students before their defense give their master's theses to check for the presence of borrowings in the Antiplagiat system. This year, our students adequately tested and showed the following results: dissertation Mirzaraimov AK - 96.52%, Sadyrkhozha Abai - 93.07%, Aitkazy AD - 95.6%, S.E. Musin - 68.44%

Students have full access to the educational online resources of the university. The university library has all the conditions for access to educational online resources.

The university has a reading room for 350 seats, a subscription, a hall of electronic resources for 45 computers connected to the Internet. During the reporting period, free access for students and teachers to national and foreign databases was provided.

.Educational and operational information for students and lectures is displayed on the website and portals of S. Seifullin KATU, departments and computer classes are provided with Internet access and the local network of the university. The university operates and distributes Wi-Fi for students. .The capacity of Wi-Fi is 535 Mbps. In general, the provision of the specialty “Fisheries and industrial fisheries” with information resources meets licensing requirements, the development of the resource base and the renewal of the library fund is carried out in accordance with SES RK 5.03.010-2006 “Information Resources and Library Fund”. Wi-Fi is constantly functioning for work in the Internet space on the territory of the university and department, allowing everyone to get wide access to scientific and educational information not only from stationary, but also from any portable sources.This is of particular relevance in the organization and conduct of distance training, training, participation in seminars for teachers and students.

Educational equipment and software used for the development of educational programs are similar to those used in their respective industries. According to the EP program in the field of fisheries, the following training equipment was acquired for 2018: aquariums with a volume of 200 l, Weiss machines, pools, binoculars with a range finder, laboratory electronic scales, oxygen generator,, capacity pool, incubators, incubation module for fish, inomer,

microscopes, freezer, sand filter, etc. The educational equipment and software of the EP "Fisheries and Industrial Fisheries" fully complies with and is similar to that used in the respective branches of the programs

.An important factor in ensuring the quality of education and a guarantee of sustainable development of S. Seifullin Kazakh Agrotechnical University JSC is the continuous improvement of material, technical and information resources.The university has all the conditions for training students, undergraduates and doctoral candidates, conducting research, publishing the results of research and teaching staff, staff and students.

The university has sufficient material, technical, informational and library resources used to organize the process of training and education of students. The availability and level of the material and technical base of the university is in the process of constant updating and increasing.

The modern educational equipment and software in the field of Fisheries are used for the development of educational programs at the university,: all conditions are created in the conditions of the Fisheries Research Institute.

The actual issues in the educational and methodical activities of the teaching staff of the department are the development of interactive teaching methods using multimedia equipment. The presentation of training courses with the use of interactive whiteboards, multimedia projectors, electronic stands, etc are practiced. The introduction of new learning systems has resulted in changing in the methodological approaches to the organization of classroom and extracurricular classes.The forms of conducting lectures with the use of a complex of modern teaching aids are being improved, which makes it possible to increase the intensity of the presentation of the material, to increase the activity of students and undergraduates.

Safe learning conditions are learning conditions in which the impact of harmful or dangerous factors on students is excluded, or their exposure levels do not exceed the established norms. The training area used in the process of training bachelors, undergraduates fully complies with sanitary and fire regulations, normative indicators established by SES RK 5.03.009-2006 "Educational and tangible assets of higher educational institutions"

The adequacy of the audience is determined according to: “Model rules for the activities of organizations of higher and postgraduate education” dated May 17, 2013 No. 499. p. 107 - 113.A also on the basis of: SNiP 2.08.02-89 Building norms and rules.

Public buildings and facilities; SNiP II-68-78 Building codes and regulations. Higher education institutions; Sanitary and epidemiological requirements for the conditions and operation of organizations of primary vocational, secondary vocational and higher vocational education. Order of the Ministry of Health of the Republic of Kazakhstan No. 866 of December 15, 2004 The Ministry of Justice of the Republic of Kazakhstan was registered on January 25, 2005 No. 3382; On approval of financial standards for higher education. Order of the Ministry of Education and Science of the Republic of Kazakhstan of June 13, 2002 No. 467. Conclusions SES and fire services are available.The adequacy of the audience is determined according to: "Model rules for the activities of organizations of higher and postgraduate education" dated May 17, 2013 No. 499. p. 107 -113.A also on the basis of: SNiP 2.08.02-89

Students who study on this EP are approximately the same age and adults, working, foreign students and groups with disabilities are not available. The university has a mechanism for monitoring student satisfaction with university activities. There is a system of student support services. Systematic work is being carried out with respect to creating the most favorable conditions for the quality provision of educational services and social support for students, creating the necessary conditions for their personal development and upbringing.

During the academic year, the needs, requests, interests of students and lectures are regularly examined through opinion polls and questionnaires to identify public opinion.In order to determine the level of satisfaction of the educational and social needs of students, attitudes towards the educational process and the chosen specialty, the socio-cultural environment and the psychological atmosphere in the university team, the problem of upbringing and areas of educational work, a questionnaire "Student satisfaction with the educational process" is conducted.

The development dynamics of students and undergraduates over the past five years is of an extraordinary nature and is presented annually with significant fluctuations in their values.

The students`the scientific publications are increased from year to year: the proportion of students engaged in scientific research in the department, to the total contingent of students of the Institute varies from 2% to 5%, for undergraduates -100%. It should be noted that positive changes in increasing the number of students and undergraduates engaged in research, have already been outlined in 2017 Taking into account this trend, we can assume that in the next 2-3 years the value of the indicator under consideration will increase. SWOT - analysis

according to the standard "Educational resources and student support systems" are presented in table 24.

Table 24 - SWOT - analysis according to the standard "Educational resources and student support systems"

Strong	Weak
- High availability of material, financial and human resources of the EP - Sufficient equipment with classrooms with a modern training ground, the relevant requirements and sanitary standards of the educational program - High availability of library collections - Free access to educational Internet resources, the operation of free WI-FI throughout the EP	Systematize the support system for inclusive groups of students
Favorable opportunities	Threats
The annual growth of the book fund, including educational and methodical and scientific literature on OO, BD, PD, EP in paper and electronic media of periodicals in the context of training languages	- full time employee of young lecturers with scientific degree is weak

Conclusions: The training equipment and available software meet the modern requirements of students and faculty. In general, logistical and information resources meet the specifics of this specialty and meet the objectives. Specialized profile 5B080400- Fisheries and industrial fishery contains the following self-assessment of compliance with standard 15 “Educational resources and student support systems”: according to 9 criteria - a strong position.

10 PUBLIC INFORMATION

To inform the public about the educational program 5B080400- Fisheries and commercial fisheries and the expected learning outcomes, the university uses the official website. The official website of the university is located at www.kazatu.kz., has three versions in the Kazakh, Russian, English languages. Here you can get information about the history of the university, missions, see the Strategic Plan for the development of the university, the Quality Policy, science, university life, information for the entrant, information about collegiate bodies, structural divisions and faculties, teachers, university competitions, international projects, academic programs mobility, information to the farmer.

In addition to the official website, the university publishes articles in periodicals for information to the public, distributes booklets and information materials, organizes presentations in large enterprises in Akmola and Kostanay regions.

Also, a plan of vocational guidance work of the department, university is drawn up annually, and S.Seifullin KATU social networks are widely used. Information about the teaching procedures is used, the evaluation criteria, as well as the percentage of student achievement is freely available. Materials about graduates and their employment opportunities are posted on the university website, and are also tracked with the support of the Alumni Association of S.Seifullin KATU and Career Center.

The developed EP projects are posted on the university website for the awareness of all interested parties. Public awareness is also carried out on many social networks: facebook, VKontakte, instagram, odnoklassniki. In addition, brief information about the EP is placed in career guidance sheets, on the department's stands, in career guidance articles by leading lecturers, in the media, television, in social networks: Facebook, VKontakte, Instagram, Twitter,odnoklassniki. , and e-mail.

Information on the activities of the university and the implementation of EP, their goals are fully presented on the website of the university. The site is governed by the normative document "Regulations on the official information site of S. Seifullin KATU".

The portal contains the blog of the rector, providing communication with both students and faculty. There is a catalog of UMM and electronic documents. The information about the

educational achievements of each student is provided. Subsystems of intersessional testing and questioning of students, a system of distance learning, e-mail between departments of the university, a message board are functioned.

The university portal contains the following functional elements: Organizational and legal documents, plans and reports of the university; Personnel management - recruitment, rating, PPP competition, certification; Studying proccess; CMP; NIIR; MS; BP; The provisions of the units. Job descriptions; Organizational, legal and regulatory documentation (laws, rules, instructions); Preparation for state certification - conducting self-assessment of the university; Preparing for institutional accreditation - conducting self-assessment of the university; Information, suggestions; Catalog of documents (UMM. Methodical support of UE. Provisions. Other documents). There are also links to various services: rector's blog; Adverts; Certification of students; Personal account of the student / undergraduate; Personal account of the adviser; Personal account of the head; Distance Learning Center; Registrar's office; E-library.

Within the framework of the EP, a program for the preparation of bachelors is implemented: 5B080400- Fisheries and industrial fisheries, which includes 129 credits;

The educational program for undergraduates "Fisheries and Industrial Fisheries" (2 years of study) is based on a modular system for the study of disciplines and contains 2 modules that form general cultural, special language and professional competencies.

The undergraduate education program includes theoretical training, additional types of training (physical education, military training), various types of professional practices (training, industrial, undergraduate), intermediate and final attestation.

The Master’s educational program includes theoretical training, teaching and research practice, research work, intermediate and final certification.

Along with the obligatory information, in accordance with the provisions of the document on the corporate information network of S.Seifullin KATU ”the department places on the electronic portal and mass media local information about the activities of the department within the framework of the development plan activities and activities implemented by faculty on own initiative (VIP lectures, online conferences, round tables, teaching weeks, master classes etc. .d.)

After successfully completing the curriculum, passing state certification, defending a graduation project or thesis in the specialty 5B080400 Fisheries and Industrial Fisheries, the

graduate is awarded the qualification of a Bachelor of Agricultural Science in the specialty 5B080400 - Fisheries and Industrial Fisheries. Information is placed on the educational portal of the university.

A graduate of the magistracy - "Master of Agricultural Sciences" in the specialty Fisheries and Industrial Fisheries in accordance with the "State Classifier of Specialties of Higher and Postgraduate Education of the Republic of Kazakhstan", approved and introduced by the Order of the Committee on Technical Regulation and Metrology of the Ministry of Industry and Trade of the Republic of Kazakhstan from March 20, 2009 № 131-od.

To inform all interested parties, the university's website contains an approved EP development plan, draft discipline work plans, academic calendars and lists of elective disciplines. The library has catalogs of elective disciplines. The following informational windows are available for students on the portal: a schedule of calls, a session, a list of electronic resources, an academic rating. All information is available. Information about the scores and training opportunities provided by students posted on the university website. Transparency of assessment is carried out using the electronic journal PLATONUS. The university has created an informational learning environment "Platonus", which includes technological support for students.

On the University's website, the press center posts up-to-date, actual information about upcoming conferences, holidays and other events and events. To access the wireless Internet, you must: - enable 10.0.0.1 and port 3128 in the browser settings; email address - kazatu1957@mail.ru.

The information is posted on the university's website, in the section "Employment and Career". For students or graduates of KATU named after S.Seifullin there works the Career and Business Center of KATU named after Seifullin, which is actively considering a place for practical training or a suitable place of work. The center has been working since 2015. The center serves as a key link between the university and employers, assists students and graduates of the university in planning and developing careers, as well as in establishing and maintaining communication with the university. In the Center you can get information about the places of professional and research practices; get information about vacancies and offers from potential employers; get information about career events.

A job fair is annually held for graduates. For example, information from the university's website: Representatives of 175 organizations took part in the "Graduate-2017"

fair. Among the active participants of the fair were KPMG LLP, BI Group Construction LLP, KEGOK JSC, Astana Innavations JSC, Atameken Agro JSC, Agrofirma Rodina LLP, Republican Quarantine Laboratory, RSE Zhasyl Aimak ", Astana LRT LLP, Concern Tsesna - Astyk AO, JSC, TNK Agrofirm LLP, Eurasia Group Kazakhstan LLP, Astana-REC LLP, Astana-Teplotranzit JSC, Kazkommertsbank JSC, etc. The number of graduates is 2220 students in 2017 in 37 specialties of the university During the fair, tripartite contracts were concluded by 178 people, the number of students is 464 (20.6%). Employers have to resume its consideration at the 651 (29%) students. The analysis and monitoring of the EP is implemented by administration.

The general public and interested parties are informed through the website of the university. The plan of publications in KATU Herald is annually formed. Information networks are widely used in writing and publishing scientific articles, diplomas, dissertations, monographs. Publication activity was also reflected on the site http://kazatu.kz/ and on the Facebook pages and in the Catalog of the automated library information system.

The information product oriented towards the recruitment includes a set of measures for the organization of professional activity and its information support: the placement of the information board in the fixed schools of Kostanay, Akmola regions and in schools of Astana. The university is represented on social networks Facebook, Instagram, Odnoklassniki, Vkontakte, Twitter, You Tube, where information is announced. Academic publications of faculty members are discussed on information platforms Research Gate, G-Global.

The development of EP that ensure the graduate's competitiveness, the introduction of innovative learning technologies into the educational process, and the provision of educational services at the level of world standards are the objectives of the Development Program of S.Seifullin Kazakh Agrotechnical University for 2016-2020, the purpose of which is to create innovative models of KazATU, focused on market demands by transforming into a research university (Katu.kz/docs/develop_plan_20120511 ru.pdf).

The university has one of its own scientific publications "Herald of S.Seifullin Kazakh Agrotechnical University. "- The publication has a permanent assigned international number - ISSN 2075-939X. The publication has a certificate of registration with the Committee of Information and Archives of the Ministry of Culture and Information of the Republic of Kazakhstan - №5770-Ж dated February 23, 2005. Scientific journal "Herald of Science S.Seifullin KATU . "has been published since 1994 and is included in the list of

recommended editions of the KKSON RK .; Journal "Science Herald of S.Seifullin. Kazakh Agrotechnical University.

All information is on the website of the university in Kazakh, Russian and English, for the public and all interested persons meets the requirements for it.

For example: there was the First Joint German-Kazakhstan Agricultural Forum "Digitization in Agriculture"in the Kazakh Agrotechnical University on May 30, 2018, supported by of the Federal Ministry of Food and Agriculture of Germany, with the assistance of the Embassy of the Republic of Kazakhstan in Germany, the German Embassy in the Republic of Kazakhstan and the project "German-Kazakhstan Agrarian and Political dialogue".

The purpose of the forum is to inform about the latest achievements in the field of digitalization of agriculture, to develop contacts between scientists, companies and practitioners of both countries engaged in this field. Within the framework of this forum, reports were made. The topics of the reports reflected key trends in the development of digital technologies in agriculture.

The participants shared their scientific knowledge and best practices in the digitalization of agriculture, their experience in introducing advanced technologies into production, including and precision farming technology, the creation of “smart farms” (Smart Farming), artificial intelligence, systematization of large databases and their mutual integration. S.Seifullin Kazakh Agrotechnical University carried out its activities based on the principles of transparency, openness, involvement and awareness of all interested persons with its activities, initiative, continuous growing development and adaptation to constantly changing conditions. According to the Rules for the use of electronic resources in the library of S. Seifullin KATU, each user can use the information in open access.

The university has a student newspaper, “Menin Universitet”, which has traditionally been published since April 6, 1967 and reflects the student life of the university.The university’s website contains financial statements and an audit report, as well as the consolidated financial statements of the university for 2016 with an independent auditor’s audit report. Information is open and accessible to each user of the site http://kazatu.kz/.

The website of S.Seifullin KATU provides information characterizing the university as a whole and in the section of educational programs. In total, S. Seifullin KATU implements 86 educational programs, including: 36 undergraduate specialties, 31 graduate specialties, 19

doctoral specialties. As part of 59 educational programs, trilingual education has been introduced.

The university's social website contains all the information about the activities of the university as a whole and separately by specialties. The site has a rector blog where students and staff can write complaints and suggestions. In addition, Platonus has been introduced at the university, where students create their individual curricula and can track their academic achievements. In addition, in the personal account of each student there is a questionnaire where they can give an assessment to teachers conducting disciplines. Access to the system is free with a personal password for everyone.

Each teacher, including university managers, has a personal page on the university website, where their achievements and contact details are described. Also, in the AIS – Staff system, each teacher fills in personal information, indicates his or her achievements, changes in the field of activity, uploads supporting information.

Orders on the university, decisions of the Academic Council of the University and the Faculty and other collegian authority are posted on the website, paper versions of the orders and decisions of the academic councils are sent to the departments for review. For example, on the page of the faculty it is possible to get acquainted with the activities of the associate professor, candidate of biological sciences, doctor of PhD Aubakirova Gulzhan Amanzholovna (Appendix 5. Link: http://kazatu.kz/ru/obrazovanie/fakulteti/fakultet-veterinarii-i-tehnologii-jivotnovstva / kafedra-ohotovedeniya-i-ribnogo-hozyaystva / aubakirova-guljan-amanjolovna /).

The information technology team aims to fulfill the tasks of information support of various fields of activity of S.Seifullin KATU , the formation of a competent public opinion about it, strengthening public relations and the image of the university

Active informational work is carried out, which allows to provide the public, target groups with a variety of information about events, processes taking place in educational, scientific, innovation, international activities, social sphere, student life, development prospects of the Kazakh Agrotechnical University.

Information management processes are carried out in accordance with the Regulation on the Council for Informatization of S. Seifullin KATU JSC and the Regulation on the Department of Information Technologies. DIT is a structural subdivision of S.Seifullin Kazakh Agrotechnical University. DIT was organized by order of the Chairman of the Board

No. 551 dated 10/01/2013 on the basis of the recommendation of the University Board, DIT is assigned number 12030.

Rakhimzhanov M.N. is a director of this department . All the activities and events of the university are reflected in the media and in the relevant headings of the KATU named after S.Seifullin (entrants, students, graduates, board of trustees, teaching staff, partners, partners, etc.)The Department of Hunting and Fisheries cooperates with leading foreign research centers, such as the Japan International Cooperation Agency Obihoro (Japan), the Warsaw University of Life Sciences (Poland), the Krakow University (Poland), the University of Putra (Malaysia), the University of Western Hungary (Hungary), University of Eastern Finland (Finland), Vyatka State Agricultural Academy (Russia), Irkutsk State Agricultural University (Russia), Astrakhan State nny Technical University (Russia), Novosibirsk State Agricultural University (Russia). The results of international cooperation are reflected in regular joint publications in high-ranking scientific journals. On the basis of the university the republican scientific and technical journal "Herald of the Kazakh Agrotechnical University is published.Leading scientists of Kazakhstan and Russia, countries of near and far abroad are involved in the editorial work of the journal.

The series is included in the list of publications recommended by KKSON RK for publication of the main results of dissertation research. The EP participates in a variety of external assessment procedures, including ratings and rankings. Since 2017, according to the rating of the IAAR, the specialty “Fisheries and industrial fishery takes the 3rd place among 5 universities, leading the training of specialists in this field, 1-place in the magistracy” on the ranking of educational programs of the bachelor degree.

This procedure is voluntary. Teachers of our department Narbaev S.N., Syzdykov K.N., Dzhamanbaev TD appeared on television in channels 24 KZ, Khabar, ORT Kazakhstan. The functioning of the quality management system in the organization of higher professional education makes it possible to largely solve the problems of ensuring the quality of training of specialists. This task is complex and multifaceted. It involves all areas of the organization and applies to each of its employees.

Since 2005, our university has become to international standards, introduced and certified a quality management system for compliance with ISO 9001-2015.The quality management system maintaining in working condition is carried out through the improvement of the internal regulatory framework, which consists of more than 300 documents, by

systematically conducting an internal audit, as well as inspection control by the certification body. The University participates in world and Kazakhstan rankings, foreign agencies of the QS World University Rankings, Times Higher World Education University Rankings, Webometrics Ranking of World Universities and Kazakhstan ratings of the Independent Accreditation and Rating Agency (IAAR), Independent Kazakhstan Agency for Quality Assurance in Education (IQAA).

Since 2012, the university has been in the TOP 800 of the best universities in the world for 4 years, and in 2016 it was first noted in the ranking of universities in Eastern Europe and Central Asia. QS University Rankings: EECA 2016 is the top 200, which includes only 18 universities in Kazakhstan .Ranking Webometrics Ranking of World Universities, compiled by the Spanish research group Cybermetrics Lab., Assesses how a particular university is represented in the global Internet space. At the moment, in the Webometrics ranking, S. Seifullin KATU takes a position of 13675. According to the results of the independent rating of the National Accreditation Agency and the rating based on the quality of educational programs, in 2018 fifty one educational programs of KATU (62% of the total) were among the top three programs in the country. Of these, 17programs took the first place. KATU took the 4th place in the national ranking of universities, which is the best result in the entire history of the university.A great achievement of our university is the one awarded by the Eurasian Patent Organization of the Gold Medal named after V. I. Blinnikov for a great contribution to the “Inventive and Patent Business”.

The SWOT analysis of the “Public Information” standard is presented in Table 25.

Table 25 - SWOT Analysis of the Public Information Standard

STRONG	WEAK
1) A sufficiently high awareness of students and stakeholders about the activities and implementation of EP, the effectiveness of its use, its role in the educational process.	Insufficient publication of information about interaction with scientific / consulting organizations and educational organizations that implement such educational programs.
2) A high level of student satisfaction with the provision of training and research equipment; Internet accessibility; organization of the educational process, including schedule and organization practices.	

4) The corporate media resource - the university newspaper “Agrarlyk University” is recognized in the best corporate newspaper of the Republic of Kazakhstan.	
5) Conducting public awareness activities about the university activities . Press center of the IAC. develops, plans and implements.	
7) Availability of adequate and objective information about faculty, including personal pages of faculty.	
Favorable opportunities	Treats
15) The educational portal of the university makes it possibility to prompt and effective access of various levels of users to educational information.	1) The satisfaction analysis of potential employers revealed a negative trend in employers' readiness to employ graduates without work experience.

Conclusion: characteristics of EP according to standard No. 15: the university provides information about its activities in general and about the implementation of educational programs; uses a variety of ways to disseminate information that is reflected on a web-based information resource (about the specifics of the EP); EP participates in a variety of external assessment procedures, including ratings and rankings.

Specialized profile 5B080400- Fisheries and industrial fisheries contains the following self-assessment of compliance according to the Public Information standard: according to 12 criteria - a strong position, according to 1 criterion - satisfactory.

11 STANDARD IN A SECTION OF VARIOUS SPECIALTIES FIELDS

In order to familiarize students with the professional environment and current issues in the field envisaged by the specialization of the EP, as well as for the acquisition of skills on the basis of theoretical training, the education program includes disciplines and activities aimed at gaining practical experience and skills in the specialty in general and the major disciplines in particular. According to the trajectory of the OP, field classes are organized at the Dudarai training and production hunting and fishing farm, the Kazakh Fisheries Research Institute, the Fisheries Research Center, the Maybalyk fish nursery to provide a competence-based approach to the training of OP specialists.

The faculty involved in the education program includes full-time teachers with extensive experience working in enterprises in the field of specialization of the EP, production specialists are invited - Kurzhykaev Zh.K., Mironchuk II, Gudyna D.N.

OP disciplines are based and have a clear relationship with the content of the fundamental and natural sciences and meet the modern requirements for the development of fisheries in Kazakhstan.

To enhance the practical training of students in the field of specialization, most of the PDs are carried out under production conditions on the basis of the Maybalyk fish farm, the Duman Oceanarium, the Fishery Research and Development Center, KazNIIRKH LLP, n accordance with the approved end-to-end program, practitioners are trained under production conditions. Basic practicing specialized fisheries enterprises, territorial, regional inspectorates, scientific research institutes, committee of forestry and wildlife of the Ministry of Agriculture of the Republic of Kazakhstan.

Training of students in the OP is carried out with the use of modern information technologies and innovative technologies in fish farming. In particular, for the preparation and training of such technological processes as akvaponnye installation, installation of a closed water supply, automation of fish-breeding processes. Courses Aquaculture, Artificial Reproduction of Fish, UZV Operation, Technology of hydrobiont cultivation are carried out according to the results of research work conducted by the staff of the department funded by the MES and the Ministry of Agriculture. Students' access to current and current data is provided in the university’s libraries on paper and on the university’s website in the electronic resources section on electronic media. Aquaculture, Pond fish culture, Artificial reproduction of fish are aimed at obtaining practical experience by students and consolidating theoretical knowledge during dual training at the Research Center "Fisheries" and departure of OPORH students "Dudarai", as well as their participation in seminars and lectures of Forestry Committee specialists and fauna, fish farm “Maybalyk”, aquarium “Dudarai”, etc.

Analysis of employment for the period of release of specialists of the fishery industry shows high rates and ranged from 75 to 80%. Successful employment of graduates testifies to this, such as, for example, A. Bahiyanov - deputy head of the Almaty Regional Territorial Inspection of Forestry and Wildlife of the Committee of Forestry and Fauna of the Ministry of Agriculture of Kazakhstan, N. Kaztai - and about. Deputy Head of the Pavladar Regional Territorial Inspection of Forestry and Fauna of the Committee of Forestry and Fauna of the Ministry of Agriculture of the Republic of Kazakhstan, Aubakirova G.A. - PhD, Ass.professor of the Department of Hunting and Fisheries, Head of the Scientific Project funded by the MES of the RK A. Zhubaev - Chief Expert of the Department for Reproduction of Fish Resources and Aquaculture of the Committee for Forestry and Fauna of the Ministry of Agriculture of the Republic of Kazakhstan, R. Zhanabaev - Deputy Director, Chief Fish Breeder of the State Enterprise "Petropavlovsk Fish Nursery" PCF project from the Ministry of Agriculture, Marlenov E.B. - Senior Lecturer of the Department of hunting and fisheries.

Table 26 - SWOT-analysis "Standard in the context of individual specialties"

Strengths	**Weak sides**
1) Provision of material and technical base for laboratory studies and dual training	1) Low level of academic mobility of students
2) Availability of contracts with practice bases for practical training to consolidate theoretical knowledge	
3) Conducting field classes in the main disciplines in research institutes, UPOPH, etc. in order to familiarize yourself with the professional environment	
4) The presence of faculty with long experience in production in the field of OP	
5) The use of innovative method of conducting classes in basic and major disciplines	

The specialized profile “Standards in the context of individual specialties” contains the following self-assessment of compliance with this standard: according to 5 criteria, satisfactory.

Results of the implementation of the recommendation of the external expert committee on previous accreditation EP

According to the assessment of the external expert commission of the IAAR on accreditation, EP 5B / 6M 080400 - Fisheries and industrial fisheries, in 2014 the following recommendations were made: (Appendix 6).

According to the standard "Management of the educational program": To intensify work on the analysis of the implementation of educational programs with subsequent corrective actions

In the 2017-2018 academic year, an alternative modular educational program in the specialty of the magistracy 6M080400-Fisheries and industrial fisheries "Lake-Commodity Fish Farming"was developed. The disciplines unification from the basic cycle (animal morphology, animal physiology, microbiology, basic research, economics of enterprises and entrepreneurship, labor protection) were held during the formation of the RUE for bachelor students.

The representatives of employers take part in the development of educational programs, reviews are provided at the MEP, QED.

The required level of qualification of full-time teaching staff (rating, certification) is provided, a plan is developed for the teaching staff of additional professional educational programs in the amount of at least 72 hours and at least once every five years in universities and research institutes of the Republic of Kazakhstan.

The information about the EP, the activities of the faculty of the department and the prospects for development is placed on the university website.

According to the standard "Management of the educational program": Further development of cooperation with domestic and foreign universities, in the implementation of joint educational programs.

According to the educational program "Fisheries and Industrial Fisheries" for the period from 2014 to 2016, cooperation agreements were concluded with the Malaysian University of IT ministries, West-Hungarian University, University of Eastern Finland, Warsaw University of Life Sciences. The lectures and practical classes for students and undergraduates of the specialty are held by foreign scientists.

In 2017, in order to cooperate with foreign scientists, a team of authors (Moruzi I.V., Pishchenko E.V., Aubakirova G.A., Syzdykov K.N., Nurgazy K.Sh.)was made to publish the Aquaculture textbook for profiling discipline component (Annex 7).

According to the standard "Specificity of the educational program": Ensure the consistency of the work performed with the mastered professional competencies of students.

The dual training is conducted in enterprises and laboratories to consolidate and assimilate the professional competence of students. The basis of the dual training of the educational program "Fisheries and Industrial Fisheries" is the Maybalyk fish nursery, a branch of the department based on the regional society of hunters and fishermen, as well as the research center "Fisheries"

In order to improve the quality of practical training, the implementation of payment to heads of practice from enterprises by drawing up contracts.

Currently, 70% of practical training is carried out on the basis of dual training based on the SIC Fisheries in the following disciplines: aquaculture, artificial reproduction of fish, ichthyology, ornamental fish farming. For the development of the future specialty, students are provided with modern methods and innovative technologies in fish farming (modification of RAS, aquapone installations, new aquaculture facilities, feed, etc.) (Appendix 8).

According to the standard “Specificity of the educational program”: When conducting an examination of training modules, focus on the logic of combining disciplines into modules and observing their continuity in courses.r continuity in courses.

In preparation of the educational program of the Fishery and Industrial Fishery of the specialty, the disciplines are annually reviewed and coordinated with the employers, and the logical sequence of combining the disciplines into modules is observed.

For example, the disciplines of the veterinary profile "Ichthyopathology" and "Basics of veterinary-sanitary examination" are combined in the module "Fish Pathology", the disciplines "Sigovodstvo", "Pond fish breeding", "Cadre fish farming", "Trout breeding", "Artificial reproduction of fish" in the module "Fish farming".

According to the standard “Specificity of the educational program”: To intensify work on increasing the book fund of the university library in the state language and publishing a single catalog of elective disciplines on paper and electronic media.

Receipt of literature in the state language in 2015 (10259 copies) compared to 2014 (8074 copies) increased by - 21%.

The scientific library has a book fund with a volume of 1577076 storage units on January 1, 2016, of which 806308 is a collection of literature in the state language, 95169 publications in electronic media, of which 2520 are faculty members, 4582 electronic editions of scientific journals. Through the electronic library of the university by the range of IP addresses of the university, access is provided to remote information resources, advanced electronic libraries of the world, such as Thomson Reuters, Springerlink, CabiAbstract. To the Russian databases “Publishing House“ Lan ”,“ https://elibrary.ru/defaultx.asp ”The general fund of the library is presented in table 26.

Table 26 - General Library Fund

Indicators	2014 г.	2015 г.	2016 г.	2017г.	2018г.
General Fund libraries of all, copies	1360320	1466963	1577076	1589952	1690349
Including Kazakh	584500	604800	806308	812719	818264
Textbooks of all, copies	663397	756755	853120	864889	873366
Including Kazakh	501082	540012	718441	724733	725218
Including English	639	942	541	2299	3131
Electronic books	75341	82742	95169	95200	185923
Including Kazakh	20361	22465	22656	22670	26623
Scientific literature of all,copies	587033	593122	594215	595191	596300

Including Kazakh	59174	61015	61230	61235	62540
Fiction of all, ind.	34549	34344	34572	34672	34760
Including Kazakh	3883	3773	3981	4081	4117

The book fund in the state language increased from 42% in 2014 to 51.5% in 2016. Access to external electronic resources (523217 editions of books and articles) can increase the availability of educational and scientific information publications.

The contract No. 195 dated 04/12/16 for the purchase of books in English in the amount of 79 copies in the amount of 1679095 tg was concluded.

In 2016, it is planned to publish 45 titles of teaching materials The Library fund in the context of specialties are presented in table 27.

Table 27 - Library fund in the section of specialties

№	Name of specialty	2014-2015			2015-2016			2016-2017			2017-2018		
		Фонд на Foundation in Russian yaz	Фонд на Foundation for Kazakh	Фонд нafoundation in English анг.яз	Фонд на Foundation in Russian yaz	Фонд на Foundation for Kazakh	English	Russian yaz	Kazakh	Фонд нafoundation in English анг.яз	Фонд на рус.язFoundation in Russian yaz	Фонд на Foundation for Kazakh	Фонд на foundation in Englishанг.яз
1	Fisheries and industrial fishing	25670	8449	39	31216	13895	58	32070	12106	45	33150	14256	46

In 2017-2018 academic year, the teaching staff of the department "Hunting and Fisheries" published educational materials in the state language: Aquaculture, Su oymasyny toxicology, Balı sharuashylyy hydrotechnical, Balı aulau (Appendix 9).

According to the standard "The teaching staff and the effectiveness of teaching": Improve the work on the use in the educational process of innovative educational technologies.

According to the Action Plan for the implementation of recommendations of the external expert committee, the departments of the University developed programs for the widespread introduction and application of innovative technologies in the educational process for 2016-2020.

The programs are based on the competence approach and have the following structure:

1. Passport Program
2. Introduction
3. Analysis of the current status of the application of innovative technologies in the department
4. Goals, objectives and target indicators
5. The main directions, ways to achieve goals
6. Expected results from the implementation of the Program
7. Required Resources and Sources of Funding for the Program

After the approval of these programs at the Academic Council (May 2016), the departments would begin work on the implementation of the main directions and monitoring the results of the programs.

According to the educational program “Fisheries and Industrial Fisheries”, the disciplines “Operation of closed water supply facilities” and “Sturgeon” are introduced in order to introduce innovative educational technologies into the educational process. .In particular, various modifications of installations of closed water supply, installations on akvaponike are used.

In order to improve the quality of training in the fish industry, the Department of “Hunting and Fisheries” is doing a lot of work to equip it with modern innovative educational technologies. 10).For this purpose, unique closed water installations have been created that promote the cultivation of valuable fishing technologies for fish, there are 3 aquaphone installations, a collection of ornamental and food fish, as well as modern instruments for students' research work (ultrasound, echo sounder, underwater cameras, ionometers, microscopes, electronic scales) (Appendix 10)..In addition, lecturers use interactive forms of conducting classes (creating models, debates, round tables, business games in practical and lecture classes.

According to the standard "Teaching staff and the effectiveness of teaching": Increase the proportion of teaching staff and students in research activities

.At the Department of "Hunting and Fisheries" for the reporting period, research was carried out in two directions of the MES RK 055 theme and the Ministry of Agriculture RK theme 212 in 2015-2016. 6 employees of the department, 3 students and 1 undergraduate student participated in the 055 theme, on the topic 212 6 employees, 3 students and 1 undergraduate student. 4 applications were submitted from the department. The proportion of students 10% and PPS 60%

In the reporting period of 2017-2018 academic year, employees of the Department of "Hunting and Fisheries" participated in the state budget research programs of the MES RK and the Ministry of Agriculture of the RK. Employees of the department carried out 2 projects.In addition, members of the department participated in the International Program - United Nations Development Program. .Under this program, training seminars were held in various regions of Kazakhstan. In all programs , the share of participation of students was at least 10%. Research work with business entities was carried out in 4 enterprises (Appendix 11).

During the reporting period, employees of the Department of "Hunting and Fisheries" submitted 6 applications for grant funding and 1 application for program-targeted funding through the MES RK . According to the results of the competition, positive results were obtained for two tender applications with a total amount of financing of 66 million tenge for 2018-2020

According to the standard "Teaching staff and the effectiveness of teaching": To invite leading domestic and foreign scientists to conduct classes.

In 2014-2016, 58 foreign scientists from the leading universities of Malaysia, USA, Bulgaria, Germany, Italy, Poland, Turkey and others were invited to the KATU. Of the 105 foreign scientists invited from 2012 to 2015, 33 scientists were invited to give lectures on agricultural specialties. The period of stay of these foreign scientists is not more than one month.

In the 2014-2015 academic year, foreign scientists Andrias Nahlik- West Hungarian University, Hungary, Marian Brzyzowski - Warsaw University of Life Sciences, Poland, Kartet District - University of Eastern Finland, Finland conducted classes in the Department of Fisheries and Industrial Fisheries.

In 2015-2016, classes were conducted by Harry Kokko - University of Eastern Finland, Finland, Jamilia Binta Bakar - Malaysian University of Putra, Malaysia.

According to the standard "Students": To promote the expansion of international academic mobility of faculty and students.

In total from 2012 to 2015, 258 lecturers of S. Seifullin KATU improved their professional qualifications within the framework of external academic mobility at leading universities in the USA, Germany, France, Malaysia, Poland, the Czech Republic, Italy, Russia, and others. During the period of 2012-2013 academic year, 42 lecturers visited the leading universities, from 2013 till 2014 there were 75 teachers, and in 2014-2015, 29 teachers visited foreign universities, improved their skills in the field of agriculture.

Currently, work continues to improve the skills of university staff at leading universities in the world in the field of agriculture, including the University of California Davis, USA.

In total, in 2013-2015, 183 students of KATU were sent to the foreign universities within the framework of external academic mobility at leading universities in Slovakia, Bulgaria, Germany, Finland, Latvia, Italy, Malaysia, Poland, Turkey, the Czech Republic, Belarus and the Russian Federation. Of the 183 students who left within the framework of academic mobility from 2013 to 2015, 20 students of KATU were trained as part of academic mobility in agricultural specialties, of which 19 were trained at the expense of MES RK, and 1 student at their own expense. Among the students in the program of academic mobility - 5 undergraduates and 15 students. Currently, active work continues to attract foreign scientists for a longer period . There is an agreement on hiring an English teacher from Taiwan for a period of one semester, and negotiations are underway on the invitation of other foreign teachers for a period of more than 3 months.

1st year student visited to Krakow Agricultural University from the department "Fisheries and Industrial Fisheries"

In the 2016-2017 academic year, undergraduate R. Kerimbayev was trained on foreign academic mobility. in University of California, Davis, USA.

On internal mobility, a 3-year student of Atyrau State University named after Dosmukhamedov Sataeva Aidana Kanatbekkyzy was trained at the Department of Hunting and Fisheries (Appendix 12).

According to the standard "Students": To increase the level of students' awareness of the decisions taken by the collegial bodies on the management of the EP.

The collegial authorities of the faculty is the faculty council. The faculty council consists of heads of departments, representatives of teaching staff, students of at least 10%, as well as employers. The participation of these representatives ensures, with the functioning of collegial authorities, openness and transparency.

The collective authorities are involved in planning, monitoring and improving the educational, scientific and educational systems of the university. For this purpose, according to the regulations of the university, meetings are held on a regular basis, at which the issues under consideration are examined in various areas of the university's activities, possible ways of improvement are discussed, decisions are made to improve the processes, responsibility and deadlines are set. All decisions taken are recorded.

The inclusion of students in the faculty council ensures that students are better informed.

According to the standard "Resources available for educational programs": Provide free access to the university's website on the content of educational programs.

The site is the hallmark of the university. In 2016, it is planned to change the site interface in order to increase awareness.

The following information is on the university website:

- History of the department;
- - Educational and methodical work of the department;
- -Scientific research work of the department;
- -International cooperation and communication;
- -Scientific research work of students;
- -Educational work;
- - Certificate of accreditation of the educational program;
- -Specific specialty;
- -The development plan of the educational program
- Catalog of elective specialty disciplines;

-Teaching staff pages;

-Academic calendar;-

Directory-guide.

These documents fully provide the content of the educational program. Detailed information is available on the official website of the University.www.kazatu.kz.

The conclusion of the self-assessment committee

No.	Assessment criteria	Position of the organization of education			
		Strong	Satisfactory	Assumption of improvement	Unsatisfactory
Standard "Management of the educational program"					
1.	The institution must have a published quality assurance policy.		+		
2.	The quality assurance policy should reflect the relationship between research, teaching and learning.		+		
3.	The university should demonstrate the development of a culture of quality assurance, including in the context of the EP.		+		
4.	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint / two-degree education and academic mobility			+	
5.	The management of the EP provides transparency in the development of EP development plan based on the analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and trainees	+			
6.	The management of the EP demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring of its implementation, assessing the	+			

	achievement of the training aims, meeting the needs of students, employers and society, making decisions aimed at the continuous improvement of the EP.				
7.	The management of the EP shall involve representatives of stakeholder groups, including employers, trainees and teaching staff s, in the formation of the EP development plan	+			
8.	The management of the EP should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the education organization	+			
9.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, the unambiguous distribution of the duties of the staff, the delineation of the functions of collegial bodies	+			
10.	The management should provide evidence of transparency in the management of the educational program		+		
11.	The management should demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts		+		
12.	Management should implement risk management		+		
13.	The management should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the management of the educational program		+		

14.	The university should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals		+		
15.	The management should demonstrate evidence of openness and accessibility for students, teachers, employers and other stakeholders		+		
16.	The management of the EP must receive training in educational management programs		+		
17.	The management of the EP should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account in preparing for the next procedure		+		
Totalforthestandard		**5**	**11**	**1**	
Standard "Information Management and Reporting"					
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.		+		
2.	The management of the EP should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
3.	Within the framework of the EP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and effectiveness of the activities of departments and departments, scientific research.		+		
4.	The university should establish the periodicity, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural units, senior management, the implementation of scientific projects.	+			

5.	The institution should demonstrate the definition of order and ensure 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.		+		
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.		+		
7.	The management should demonstrate the existence of a mechanism for communication with trainees, employees and other stakeholders, including the existence of conflict resolution mechanisms.			+	
8.	The institution should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP, and demonstrate evidence of addressing the deficiencies found		+		
9.	The university should evaluate the effectiveness and effectiveness of activities, including in the context of the EP		+		
	The information collected and analyzed by the university should take into account:				
10.	Key performance indicators		+		
11.	dynamics of the contingent of students in the context of forms and species	+			
12.	level of academic achievement, achievements of students and deductions	+			
13.	Satisfaction of students with the implementation of the EP and the quality of education in the university	+			
14.	availability of educational resources and support systems for students;	+			

15.	Employment and career growth of graduates.	+			
16.	Trainees, employees and teaching staff must confirm documentary consent to the processing of personal data.		+		
17.	The management of the EP should facilitate the provision of all necessary information in the relevant fields of science.	+			
Total for the standard		**7**	**9**	**1**	
Standard "Development and approval of educational programs"					
1.	The university should define and document the procedures for the development of the EP and their approval at the institutional level.	+			
2.	The management of the EP should ensure that the EP developed meets the established aims, including the expected learning outcomes.		+		
3.	The management of the EP must ensure that there are developed models of the graduate student who describe the results of training and personal qualities.	+			
4.	The management of the EP should demonstrate the conduct of external assessments of the EP.	+			
5.	The qualification obtained at the conclusion of the EP shall be clearly defined, clarified and consistent with a certain level of the NQF.		+		
6.	Management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
7.	An important factor is the possibility of training students for professional certification.			+	
8.	The management of the EP shall provide evidence of the participation of trainees, teaching staff and other stakeholders in the development of the EP, ensuring		+		

	their quality.				
9.	The complexity of EP should be clearly defined in Kazakhstan credits and ECTS.	+			
10.	The management should ensure that the contents of the academic disciplines and the results of the training are at the level of study (bachelor's, master's, doctoral).		+		
11.	The structure of the EP should provide for various activities corresponding to the results of training.		+		
12.	An important factor is the existence of joint EP with foreign educational organizations			+	
Total for the standard		**4**	**6**	**2**	
Standard "Continuous monitoring and periodic evaluation of educational programs"					
1.	The university should monitor and periodically evaluate the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at the continuous improvement of the EP.		+		
	Monitoring and periodic evaluation of EP should consider:				
2.	The content of the programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline being taught;		+		
3.	changes in the needs of society and the professional environment;		+		
4.	load, academic performance and graduation of students	+			
5.	effectiveness of evaluation procedures for students;	+			
6.	expectations, needs and satisfaction of learners by		+		

	training in vocational training;				
7.	Educational environment and support services and their compliance with the objectives of the EP.		+		
8.	The university and the management of the EP must provide evidence of the participation of trainees, employers and other stakeholders in the revision of the EP.		+		
9.	All interested parties should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP shall be published.		+		
10.	The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of the society.		+		
Total for the standard		**2**	**8**		
Standard "Student-centered learning, teaching and assessment of progress"					
1.	The management of the EP should ensure respect and attention to the different groups of learners and their needs, providing them with flexible learning paths.		+		
2.	The management of the EP should ensure the use of various forms and methods of teaching and learning.	+			
3.	An important factor is the availability of our own research in the field of methods of teaching the academic disciplines of the EP.			+	
4.	The management should demonstrate the availability of a feedback system on the use of different teaching methods and evaluation of learning outcomes.		+		
5.	The management of the EP should demonstrate support for the autonomy of students with		+		

	simultaneous guidance and assistance from the teacher.				
6.	The management should demonstrate the existence of a procedure for responding to complaints from students.		+		
7.	The institution should ensure the consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.		+		
8.	The university should ensure that the procedures for evaluating the learning outcomes of the trainees are consistent with the planned learning outcomes and program aims. Criteria and methods of evaluation within the framework of the EP should be published in advance.		+		
9.	The institution should determine the mechanisms for ensuring that each graduate learns the learning outcomes and ensures the completeness of their formation.	+			
10.	Evaluators should possess modern methods for evaluating learning outcomes and regularly improve their qualifications in this field.	+			
Total for the standard		**3**	**6**	**1**	
Standard "Students"					
1.	The university should demonstrate the policy of forming a contingent of students from admission to release and ensure the transparency of its procedures. Procedures regulating the life cycle of trainees (from admission to completion) should be identified, approved, published.	+			
2.	The management of the EP should demonstrate special adaptation and support programs for newly		+		

	enrolled and foreign students.				
3.	The institution should demonstrate the conformity of its actions to the Lisbon Recognition Convention.	+			
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.	+			
5.	The management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of trainees, as well as the results of additional, formal and informal training.	+			
6.	The university should provide an opportunity for external and internal mobility of the students of the EP, and also assist them in obtaining external grants for training.			+	
7.	The management of the EP should make the maximum amount of effort to provide practice-based practice, facilitate the employment of graduates, and maintain communication with them.		+		
8.	The institution should provide the graduates with documents confirming the received qualification, including the results of the training achieved, as well as the context, content and status of the education received and evidence of its completion.		+		
9.	An important factor is the monitoring of the employment and professional activities of graduates of the EP.		+		
10.	The leadership of the EP should actively encourage	+			

	students to self-education and development outside the main program (extracurricular activities).				
11.	An important factor is the existence of an active association of graduates.	+			
12.	An important factor is the availability of a support mechanism for gifted students.		+		
Total for the standard		**6**	**5**	**1**	
Standard "Teaching staff"					
1.	The institution should have an objective and transparent personnel policy, which includes hiring, professional growth and development of personnel, ensuring the professional competence of the whole state.		+		
2.	The university should demonstrate the conformity of the personnel potential of the teaching staff with the development strategy of the university and the specifics of the EP		+		
3.	The management of the EP should demonstrate awareness of responsibility for its employees and providing them with favorable working conditions.	+			
4.	The management of the EP should demonstrate the changing role of the teacher in connection with the transition to student-centered learning.		+		
5.	The university should determine the contribution of the teaching staff to the implementation of the strategy for the development of the university, and other strategic documents.		+		
6.	The university should provide opportunities for career growth and professional development of the teaching staff of the EP.	+			
7.	The management of the EP should involve practitioners of relevant industries in the teaching.	+			

8.	The management of the EP should ensure targeted actions to develop young teachers.	+			
9.	The university should demonstrate the motivation for the professional and personal development of the teachers of the EP, including the promotion of both the integration of research and education, and the application of innovative teaching methods.	+			
10.	An important factor is the active use of teaching staff information and communication technologies in the educational process (for example, on-line training, e-portfolio, MEP, etc.).			+	
11.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.			+	
12.	An important factor is the involvement of the teaching staff of the EP in the life of society (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 competitions, charity programs, etc.).		+		
Totalforthestandard		**6**	**4**	**2**	
Standard "Learning resources and student support systems"					
1.	The management of the EP should demonstrate the sufficiency of the material and technical resources and infrastructure.		+		
2.	The management team should demonstrate the existence of support procedures for different groups of learners, including information and counseling		+		
	The management of the EP should demonstrate the correspondence of information resources to the specifics of the EP, including compliance:				

3.	Technological support of students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs)			+	
4.	Library resources, including the fund of educational, methodological and scientific literature on general education, basic and profiling disciplines in paper and electronic media, periodicals, access to scientific databases		+		
5.	examination of the results of research, final works, dissertations on plagiarism			+	
6.	The functioning of WI-FI in the territory of the organization of education		+		
7.	The university should strive to ensure that the training equipment and software used to develop the EP are similar to those used in the relevant industries.			+	
8.	The institution must ensure compliance with safety requirements in the learning process.		+		
9.	The university should strive to take into account the needs of different groups of students in the context of the EP (adults, workers, foreign students, as well as students with disabilities).		+		
Totalforthestandard			**6**	**3**	
Standard «Public Information»					
	The information published by the university within the framework of the EP should be accurate, objective, relevant and should include:				
1.	Implemented programs, indicating the expected learning outcomes	+			
2.	information on the possibility of assigning qualifications at the end of the EP	+			
3.	information on teaching, training, evaluation	+			

	procedures				
4.	information on passing scores and educational opportunities provided to students	+			
5.	information on employment opportunities for graduates		+		
6.	Management should use a variety of ways to disseminate information (including media, web resources, information networks etc.) to inform the general public and interested parties		+		
7.	Public information should provide support and explanation of national development programs of the country and the system of higher and postgraduate education		+		
8.	The university should publish audited financial statements on its own web resource		+		
9.	The university should demonstrate the reflection on the web resource of information that characterizes the university in general and in the context of the EP	+			
10.	An important factor is the availability of adequate and objective information about the teaching staff of EP, in the context of personalities	+			
11.	An important factor is public information about cooperation and interaction with partners within the framework of the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.			+	
12.	The institution should place information and links to external resources based on the results of external evaluation procedures.	+			
13.	An important factor is the participation of the university and implemented EP in various external evaluation procedures		+		

Totalforthestandard		**7**	**5**	**1**	
Standards in the context of individual specialties					
AGRICULTURAL SCIENCES:					
	Educational programs in the areas of Soil Science and Agrochemistry should meet the following requirements:				
1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and in the relevant disciplines in particular, including: - excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, training facilities, etc.), - holding separate classes or whole disciplines at the enterprise of specialization, - Conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.		+		
2.	The teaching staff involved in the education program should include full-time teachers who have a long-term experience as a staff member at enterprises in the area of specialization in the education program		+		
3.	The content of all disciplines should be based in one way or another and include a clear relationship with the content of the basic natural sciences, such as mathematics, chemistry, physics		+		
4.	The management of the EP should provide measures to strengthen practical training in the field of			+	

	specialization				
5.	The management should ensure the training of students in the field of application of modern information technologies		+		
Totalforthestandard			**4**	**1**	
TOTAL		**40**	**64**	**13**	

The working group on self-assessment of the educational program "Fisheries and Industrial Fisheries" recommends the Academic Council of S.Seifullin Kazakh Agrotechnical University to include in the list of educational programs presented in the Independent Accreditation Agency and rating as meeting the requirements of specialized accreditation standards.