

POSITION ON THE PROCEDURE FOR DEVELOPMENT, APPROVAL, IMPLEMENTATION AND UPDATING OF EDUCATIONAL PROGRAMS

1. General provisions

1.1 This Regulation defines the procedure for the development, approval, implementation and updating of educational programs, as well as their form, structure to ensure a unified approach.

1.2 Educational programs (hereinafter - EP or educational programs) are aimed at forming professional competencies among students, mastering relevant academic knowledge, instilling skills and abilities, including those transferred, which contribute to their personal development and can be used in their future career.

1.3 Educational programs are developed by the Academic Committee, approved by the Chairman of the Board-Rector of NJSC S. Seifullin KATRU and implemented independently for the entire period of study in 3 languages (Kazakh, English, Russian). Educational programs are developed for all levels of higher and postgraduate education.

2. Normative references

References to the following regulatory legal acts are used in this Regulation:

- 2.1 Constitution of the Republic of Kazakhstan;
- 2.2 Labor Code of the Republic of Kazakhstan;
- 2.3 Law of the Republic of Kazakhstan "On Education";
- 2.4 "State compulsory standards of higher and postgraduate education," approved by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 №2 (hereinafter referred to as the State Educational Standards);
- 2.5 "Rules for the organization of the educational process on credit technology of education in organizations of higher and postgraduate education," approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 №152;
- 2.6 "Model rules for the organization of higher and postgraduate education," approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 №595;
- 2.7 "Qualification requirements for educational activities of organizations providing higher and (or) postgraduate education, and a list of documents confirming compliance with them," approved by order of the Minister of Science and Higher

Education of the Republic of Kazakhstan dated January 5, 2024 No. 4;

2.8 Order of the Minister of Education and Science of the Republic of Kazakhstan dated March 20, 2015 №137 "On approval of the requirements for educational organizations for the provision of distance learning and the rules for organizing the educational process for distance learning and in the form of online training for educational programs of higher and (or) postgraduate education";

2.9 Guidelines for the Use of the European Credit Transfer and Accumulation System (ECTS);

2.10 Standards and guidelines for quality assurance of higher education in the European Higher Education Area (ESG);

2.11 Guidelines for the development of educational programs of higher and postgraduate education, Appendix 1 to the order of the Director of the National Center for the Development of Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan dated 4.05.2023 №601 n/a;

2.12 "Rules for maintaining a register of educational programs implemented by organizations of higher and (or) postgraduate education, as well as the grounds for inclusion in the register of educational programs and exceptions to it," approved by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated October 12, 2022 №106;

2.13 Documented procedure "Document Management" approved by Order of the Chairman of the Management Board-Rector №269-N dated 24.07.2023;

2.14 Documented procedure "Management of quality records," approved by order of the Chairman of the Management Board-Rector №218-N dated 21.04.2020.

3. Definitions

The following basic concepts and definitions are used in this Regulation:

Academic Calendar (academic calendar) - a calendar of educational and control events, professional practices during the academic year, indicating the days of rest (holidays and holidays);

academic credit - a unified unit for measuring the volume of scientific and (or) educational work (load) of a student and (or) a teacher;

undergraduate - the level of higher education aimed at training personnel with the award of the bachelor's degree in the corresponding educational program with the obligatory development of at least 240 academic loans;

Higher specialized education (specialty) - the level of higher education aimed at training personnel with the assignment of the qualification of a specialist in the relevant educational program with the obligatory development of at least 300 academic loans;

university component (hereinafter - UC) - a list of academic disciplines and the corresponding minimum volumes of academic loans determined by OhPE independently for mastering the educational program;

descriptors (descriptors) - a description of the level and volume of knowledge, skills, skills and competencies acquired by students upon completion of the study of the educational program of the corresponding level (level) of higher and postgraduate education, based on the results of training, formed competencies and academic loans;

current educational program - an educational program under which educational activities were carried out and at least 1 graduation was made;

thesis (project) - graduation work, which is a generalization of the results of a student's independent study of an actual problem corresponding to the profile of the educational program;

two-degree program - two-degree education - the possibility of parallel training in educational programs in order to obtain two equivalent diplomas or one basic and second additional;

additional educational program (Minor) (minor) - a set of disciplines and (or) modules and other types of educational work determined by the student for study in order to form additional competencies;

European system of transfer (transfer) and accumulation of loans (ESTA) - a method for the acquisition of credit units (loans) that make up the components of EP (module/disciplines, practices), with the help of which they are compared and recharged (loans and assessments) when changing the educational trajectory, organization of higher and postgraduate education (hereinafter - OhPE or organization of higher and postgraduate education) and the country of study;

individual academic mobility - movement of a student, faculty (hereinafter referred to as PTS), administrative and managerial staff and other service personnel (hereinafter referred to as OSP) and a researcher for a certain period to another foreign educational and scientific institution for training, teaching, internship and internship;

individual curriculum (hereinafter referred to as IC) - a student's curriculum, independently formed by him for each academic year using an advisor based on an educational program and a catalog of elective disciplines;

innovative educational program - an educational program for which there are no analogues in the Republic of Kazakhstan and is entered into the register for the first time;

quality of educational programs - compliance of the competence level of students and graduates with the requirements of professional standards, state educational institution and additional requirements established by the university and employers;

competencies - the ability to make practical use of the knowledge, skills and abilities acquired in the process of training in professional activities;

elective component - a list of academic disciplines and the corresponding minimum volumes of academic loans offered by OhEP and independently selected by students in any academic period, taking into account their pre-requisites and post-requisites;

credit training technology - training based on selection and independent planning by students of the sequence of studying disciplines and (or) modules with the accumulation of academic loans;

an interdisciplinary program is an educational program aimed at achieving skills and learning outcomes in several major specializations, professional areas, or areas of expertise to meet labor market needs;

Memorandum of Cooperation - a bilateral agreement between the University and the OhEP partner, concluded for a certain period in order to develop international cooperation in the field of higher, postgraduate education, science and innovation, as

well as in the exchange of experience among PTS employees;

microqualification - a set of knowledge, skills and competencies obtained at the end of a short training period, allowing to perform certain labor functions;

nano-credit is a unified unit of measurement of a small volume of educational material, which has an independent and complete character.

national qualifications framework (NQF) - structured description of qualification levels recognized in the labor market;

a new educational program - an educational program in which educational activities are conducted, but there was no graduation;

educational program - a single set of basic characteristics of education, including the goals, results and content of training, the organization of the educational process, methods and methods for their implementation, criteria for assessing educational results;

organization of higher and (or) postgraduate education - a higher educational institution that implements educational programs of higher and (or) postgraduate education and carries out research activities;

OhEP partner - a foreign or Kazakhstani partner who has entered into an agreement (agreement, memorandum) with KATRU on joint activities in the field of education and science;

Major (major) - an educational program determined by the student for study in order to form key competencies;

mandatory component - a list of academic disciplines and the corresponding minimum volumes of academic loans established by the SOE, and studied by students without fail under the curriculum;

about online training - a form of training in specific areas of personnel training, in which the student receives higher and (or) postgraduate education through information and communication technologies and the Internet for interaction between the teacher and the student, regardless of spatial and time distance;

industry qualifications framework (IQF) - structured description of qualification levels recognized in the industry;

EP passport - a brief description of the program, including: the purpose of the program, a description of the relationship of the EP with the professional sphere (including the national qualifications framework (hereinafter referred to as the IQF), industry qualifications framework (hereinafter referred to as the IQF) and if there are professional standards), training and discipline results, a matrix of the influence of disciplines on the formation of training results, as well as containing information regarding the labor intensity and language of training;

prerequisites (prerequisite) - disciplines and (or) modules and other types of educational work containing knowledge, skills, skills and competencies necessary for mastering the studied discipline and (or) modules;

postrequisite (postrequisite) - disciplines and (or) modules and other types of educational work, the study of which requires knowledge, skills, skills and competencies acquired upon completion of the study of this discipline and (or) modules;

professional standard (PS) - a standard that defines in a specific field of professional activity the requirements for the level of qualification and competence, for content, quality and working conditions;

working curriculum (hereinafter WC) - a training document developed by OhEP independently on the basis of the educational program and individual curricula of students;

register of educational programs - the information system "Unified Platform of Higher Education" (hereinafter - the information system) of the authorized body in the field of science and higher education, which includes a list of educational programs developed by organizations of higher and (or) postgraduate education;

training results - the volume of knowledge, skills, skills acquired, demonstrated by the student to master the educational program, confirmed by the assessment, and the formed values and relationships;

certificate - a document issued by the OhEP-partner to the student;

quality system - a set of procedures, divisions and officials in a university that perform certain quality management functions 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;

agreement/agreement on the implementation of joint/two-diploma educational programs (Agreement) - an agreement containing the conditions, rights and obligations of KATRU and OhEP to implement joint educational programs;

joint educational program - an educational program developed and implemented by two (or more) OhEP -partners (Kazakhstani or Kazakhstani and foreign), involving the assignment of joint degrees (qualifications) of two (or more) OhEP to graduates who have successfully mastered the program with the issuance of relevant documents on higher education (transcripts, certificates);

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

model curriculum (hereinafter referred to as MS) - a educational document of the discipline of a mandatory component of the educational program, which determines the content, volume, recommended literature in accordance with subparagraph 5-2) of Article 5 of the Law on Education;

Transcript - a document containing a list of mastered disciplines and (or) modules, and other types of educational work for the corresponding training period, indicating credits and grades;

Advisor - a teacher acting as an academic mentor of a student in the corresponding educational program, assisting in choosing a learning path (forming an individual curriculum) and mastering the educational program during the training period;

elective disciplines - educational disciplines included in the university component and component of choice within the framework of established academic loans and introduced into OhEP, reflecting the individual training of the student, taking into account the specifics of socio-economic development and the needs of a particular

region, established scientific schools.

4. Development of educational programs

4.1 Organization of educational programs development

4.1.1 The development of educational programs of higher and postgraduate education consists of 4 (four) stages:

1) preparation for the development of EP (determination of current and future market needs; analysis of the training market; analysis of the university's capabilities for the implementation of EP; creation of an Academic Committee to develop EP);

2) design of EP (research of the field of professional activity; identification of professionally significant competencies; formulation of program training results; determining the relationship between training results and evaluation criteria; design of methods and means of DRR achievement assessment; Determine resource requirements);

3) detailing of the EP structural elements;

4) quality assessment of the ED project.

4.1.2 Educational programs are developed by Academic Committees.

4.1.3 Academic Committees include:

- representatives from among PTS, including from other OhEPs;
- representatives of students;
- representatives of employers, enterprises of the corresponding direction of activity, the real sector of the economy, public associations, etc.;
- representatives of partner universities, including foreign ones.

4.1.4 The composition of the Academic Committee is approved by order of the Chairman of the Board-Rector of NJSC "KATRU named after S. Seifullin";

4.2 Preparation for the development of the educational program:

4.2.1 Academic committee to determine the list of training areas:

1) identifies current and future market needs:

a) what specialists are needed now and in the future (including in accordance with the Atlas of new professions and competencies);

b) what are the prospects for employment of graduates (deficit, surplus, emergence of new professions/skills/competencies, etc.);

2) analyzes and assesses the potential training market:

a) competition in the training market in the region/nearby regions, foreign organization of higher and postgraduate education;

b) analysis of the competitive environment;

3) conducts an analysis of the possibilities of OhEP for the implementation of OP:

a) availability of necessary human resources;

b) availability of the necessary material, technical, information and financial resources.

4.3 Educational Program Design:

4.3.1 undergraduate, graduate and doctoral education programmes are designed in accordance with the National Qualifications Framework, professional standards and must comply with the Dublin Descriptors and the European Qualifications Framework;

4.3.2 At the stage of designing the educational program, it is necessary to carry out:

- research of professional activity of the graduate;
- determination of competencies typical for the field of activity, the corresponding EP and the level of their development;
- generation of program training results;
- determination of the EP structure and the list of disciplines;
- determination of interrelation of competencies, training results and evaluation criteria;
- determination of methods, technologies of training and teaching, means of assessment of achievement of educational results by students;
- determination of resource requirements;

4.3.3 As part of the EP design, a study of the scope of professional activities is carried out, during which documents are analyzed to form an initial list of competencies (experience in using professional standards; JEP; qualification requirements for positions, EP of leading foreign OhEP, etc.);

4.3.4 The preliminary list of competencies for each area of training in this professional field is formed as follows:

- 1) general competencies (behavioral skills and personal qualities) are determined;
- 2) professional competencies (specific for this area, theoretical knowledge and practical skills) are determined;

4.3.5 In the course of the study, if necessary, a survey of employers is carried out in order to clarify and prioritize the preliminary list of competencies compiled on the basis of the analysis of the labor market and professional standards;

4.3.6 The results of the analysis of the scope of professional activities can be reflected in accordance with Appendix 1 to these Regulations;

4.3.7 At the EP design stage, the program training results are formulated depending on the competencies focused on the level of training, the requirements of professional standards and (or) the requirements/expectations of employers, as well as the OhEP development strategy;

4.3.8. The results of the training serve as the basis for determining the amount of labor intensity of the relevant disciplines in academic loans allocated to the program. The total labor intensity of the EP shall not be less than the labor intensity of the corresponding level specified in the JEP. In the EP, the relationship between disciplines and training results must be determined;

4.3.9 Educational programs reflect the results of training, when describing which, according to the European system of transfer (transfer) and accumulation of loans (ECTS), OhEP adhere to the following conditions:

- 1) training results reflect the context, level, scope and content of the program;
- 2) training results are interrelated;
- 3) the training results are clear;
- 4) training results are achievable within the training load of the program;
- 5) training results are related to relevant training activities, methods and assessment criteria;

4.3.10 When designing the training results, it should be taken into account that the

OP should equip graduates with the following competencies:

- behavioral skills and personal qualities (softskills);
- professional skills (hardskills);
- digital skills (digital skills).

4.3.11 Learning outcomes begin with an active verb to express what students are expected to do as part of professional activities and personal development, realizing professional functions through the application of competencies, using the knowledge and skills gained. For formulation, active verbs from Bloom's taxonomy are usually used. An approximate list of verbs that can be used is given in Appendix 2 to this Regulation.

4.3.12 Training results shall be:

- oriented to labor functions;
- focused on the promising needs of the labor market.

4.3.13 Training results shall be measurable.

4.3.14 Program design involves defining the structure of the program and the procedure for studying disciplines aimed at the formation of training results by specifying the pre- and post-requisites for educational disciplines.

4.3.15 Next, methods and means of assessing the achievement of competencies are designed.

4.3.16 When designing methods and means for assessing the achievement of training results, it is necessary:

- use measurable evaluation methods based on specific criteria;
- assessment methods should be consistent with the assessed training results;
- the received grades should reflect the level of competence of students.

4.4 Detailing the structural elements of the educational program:

The structure of undergraduate, graduate and doctoral programs is given in the annexes to the State Educational Institution of Higher and Postgraduate Education (Appendix 5).

The content of the EP of higher and postgraduate education consists of disciplines of three cycles

- general education disciplines, basic disciplines and profiling disciplines.

The cycle of general education disciplines (hereinafter - GED) includes the disciplines of the mandatory component, the university component and (or) the optional component. DB and EP cycles include IC and HF disciplines.

UC and OC are determined by OhEP independently and take into account the needs of the labor market, employers' expectations and individual interests of the student.

4.4.1 The structure of the educational program includes the following components:

Title page (executed according to Appendix 3);

Content of the educational program (Appendix 4);

Educational program passport:

Goal, objectives of the educational program (The goal of the educational program should be formulated as short as possible (in 1-3 sentences), specifically and clearly summarize the competencies that should be acquired by students).

1.2 Training outcomes (there are no strict rules regarding the ideal number of

training outcomes at the program level). It is advisable to indicate 10-12 training results.

RC 1.....

RC 2.....

RC 3.....

RC.....

2 General characteristics of the educational program (relevance, features, competitive advantages, uniqueness, stakeholders, etc.).

3 Competency model (portrait) of a graduate

3.1 Areas of professional activity

3.2 Types of professional activity

3.3 General Education Competencies

3.4 Basic Competencies

3.5 Professional Competencies

4 Professional practices base (all types of practices)

5. Structure of EP according to the JEP (Appendix 5)

6. Curriculum for the entire training period (Appendix 6-10)

7. Relationship between the attainability of the educational results of the educational program and educational disciplines (matrix of the influence of disciplines on the formation of educational results) (Appendix 11).

8. Conditions for the implementation of EP for persons with disabilities and JEP.

When developing structural elements of the EP, it is necessary to pay special attention to the formulation of the results of training of the module/discipline.

Training results are formed both at the level of the entire educational program, and at the level of individual modules or academic discipline.

Module/discipline learning outcomes are what a learner should be able to do after successfully completing a module/discipline.

After formulating the training results of the program/modules/disciplines and determining their labor intensity, training strategies are determined.

In the brief description of the discipline, it is necessary to disclose the content of the discipline as an indicator of the achievement of training results according to EP. The description of the discipline should not contain any definitions, excerpts from lectures, textbooks, etc. Duplication of disciplines or the presence of different disciplines with the same content is not allowed.

In the EP, developed on the basis of the professional standard, the main labor functions are projected into the competencies and training results.

After defining the list of modules and disciplines in the context of competencies and training results, the complexity of modules and disciplines in loans is determined. On this basis, taking into account pre- and post-requisites, a draft curriculum of the educational program is being formed. At the same time, it is necessary to comply with the requirements of the JEP in terms of the number of loans in dependencies on direction and level of training (including cycles and components).

4.5. Mechanism for monitoring and assessing the quality of the educational program

In assessing the quality of educational programs, interested parties (employers, teaching staff, students) should participate in the procedures for revising their content. OP, the Department should monitor and evaluate educational programs at least 1 time during 3 academic years, analyzing:

- content of programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the taught discipline;
- changes in the needs of society and the professional environment;
- workload, academic performance and graduation of students;
- efficiency of trainee assessment procedures;
- expectations, needs and satisfaction of students with the educational program;
- educational environment and support services and their compliance with the goals of the educational program.

4.5.1. In order to improve educational activities, mechanisms are being introduced to assess the quality of educational programs based on self-analysis and external assessments of consumers of educational services. The mechanisms are aimed at assessing the demand and quality of knowledge and skills acquired by students, the effectiveness of methods, and quality control of the implementation of educational programs. The methodology for monitoring the effectiveness of the implementation of educational programs is based on educational monitoring and external assessment of the quality of training for graduates of all levels.

4.5.2 Responsibility for the introduction and operation of the mechanism for assessing the quality of educational programs is assigned to the Academic Quality Council of the faculty, controlled by the Quality Committee.

4.5.3 In order to determine the effectiveness of educational programs, the university introduces a 3-level system for monitoring educational activities:

- determination of PTS satisfaction with the quality of EP;
- determination of the quality of training of students and graduates;
- external assessment (specialized accreditation of EP).

4.5.4 Monitoring criteria are defined by the following indicators:

- expert opinions of open classes, mutual visits, permanent commission for checking the quality of classes;
- survey of students and graduates (coordinated by the Quality Committee)
- external assessment (national and international OP ratings, surveys of employers, graduates, students).

Responsibility for the organization of questionnaires, internal quality monitoring is assigned to the Academic Quality Council of the faculty, coordinated by the Quality Committee.

4.5.2 Results of monitoring and analysis are discussed at the meeting of the Faculty Council

4.5.3 The recommendations of the Faculty Council serve as the basis for making decisions and actions aimed at improving the educational programs of the University.

4.6 Procedure for Approval of Educational Programs

The developed educational program in 3 languages (Kazakh, English, Russian) is

signed by the Chairman and members of the Academic Committee.

4.6.1 The developed EP is agreed with representatives of interested parties (employers, students), considered at meetings of the department, the Faculty Council for Academic Quality, the Academic Council of the University, with the approval of the Academic Council, the chairman of the Academic Committee submits the EP to the discussion of the Academic Council of the University. With a positive decision of the Academic Council, the educational program is approved by the Chairman of the Board-Rector of NJSC "KATRU named after S. Seifullin." In case of a negative decision of the Academic Council, the educational program is returned to the Academic Committee for revision. When developing joint and two-degree educational programs, the procedure for coordination and approval in a partner university is mandatory (title page of the JEP according to appendices 14,15).

4.6.2 The approved PD is entered into the IS Register of educational programs of the Ministry of Education and Science of the Republic of Kazakhstan for external examination.

The mandatory list of supporting documents for placement in the Register of Production Division includes:

- approved and agreed educational program (containing signatures and seals) in three languages (Kazakh, Russian, English);
- expert opinion/feedback from employers of at least 2;
- extract from the minutes of the meeting of the issuing department;
- extract from the minutes of the meeting of the Faculty Council on Academic Quality;
- extract from the minutes of the meeting of the Academic Council of the University;
- extract from the minutes of the meeting of the Academic Council "KATRU named after S. Seifullin."

4.6.3 The approved and agreed educational program (containing signatures and seals) in three languages (Kazakh, Russian, English) included in the Register of the OP of the Ministry of Internal Affairs of the Republic of Kazakhstan is stored at the graduation department (in hard copy), and its copies are transferred to the Department of Academic Affairs (undergraduate) and to the Institute of Postgraduate Education (graduate and doctoral studies).

4.7 Expertise and review of educational programs

4.7.1 Developed/updated EP undergoes internal and external expertise. Internal examination is carried out by the leading faculty, students (students, undergraduates, doctoral students). External expertise is carried out by representatives of Associations, employers, strategic partners, representatives of business structures, representatives of other universities, educational organizations of the region.

4.7.2 When examining the EP, the demand for the EP in the labor market, the achievement of the goal and fulfillment of the EP tasks, the completeness and logic of building the EP, the achievement by students of training results and their compliance with the requirements of professional standards, compliance with the requirements of regulatory legal acts in the field of education are evaluated.

4.7.3 Based on the results of external and internal expert examination, written expert opinions/reviews are issued with relevant recommendations:

- approve/approve the EP;
- finalize the EP indicating the deadlines.

4.7.4 The educational program that has received positive results of the examination is submitted for consideration by the department, the Council of the faculty, the Academic Council of the University, the Academic Council of the University.

4.8 Procedure for Updating Educational Programs

4.8.1 Educational programs may be updated with appropriate changes

4.8.2 The basis for making changes may be:

- changes in the regulatory framework;
- Changes regarding the distribution of hours in the curriculum
- changes related to the analysis and monitoring of EP within the framework of demand in the labor market;
- offers from stakeholders;
- in other cases.

Changes shall be documented and recorded in all registered copies.

4.8.2 Updated educational program in 3 languages (Kazakh, English, Russian), signed by the chairman and members of the Academic Committee.

1) The updated educational program is coordinated with representatives of stakeholders (employers, students). The electronic version of the updated educational program through the electronic document management system is transferred to the Director of the Department for Academic Affairs (hereinafter referred to as the DAA) for further work on placement in the Register of EP of the Ministry of Foreign Affairs of the Republic of Kazakhstan.

The mandatory list of accompanying documents for placement of the updated EP in the EP Register includes:

- updated educational program (containing signatures and seals) in three languages (Kazakh, Russian, English);
- expert opinion/feedback from employers of at least 2;
- extract from the minutes of the meeting of the issuing department;
- extract from the minutes of the meeting of the faculty council on academic quality;
- extract from the minutes of the meeting of the Academic Council of the University:
- extract from the minutes of the meeting of the Academic Council of the University.

4.8 Procedure for Exclusion of Educational Programs from the Register of Educational Institutions

The educational program is subject to exclusion if:

4.9.1 revocation of a license, appendix to a license to engage in educational activities in the relevant area of training of the applicant on the basis of officially submitted information of the authorized body in the field of science and higher education and (or) a court decision that has entered into legal force;

4.9.2 in the absence of a license and (or) appendix to the license to engage in educational activities in the relevant area of training within 6 (six) months after the OP is included in the register;

4.9.3 revoking the accreditation of the EP and (or) making a decision "not to accredit the program" by the accreditation body included in the register of recognized accreditation bodies, based on the information officially submitted by it;

4.9.4 loss of relevance of EP (absence of a contingent of students during the last 4 (four) years);

4.9.5 absence of the EP update within 1 (one) calendar year in case of changes in the JEP, industry qualification framework and (or) professional standards, and in other cases - in case of no EP update within four years;

4.9.6 To exclude undergraduate EP from the Register, the head of the department provides a rationale to the DAA indicating the reason for the lack of demand for EP with the consideration of this issue at a meeting of the department, the Faculty Council for Academic Quality, the Academic Council and the Academic Council of the University.

To exclude the master's and doctoral studies from the Register, the head of the department provides the Institute of Postgraduate Education with a justification indicating the reason for the lack of demand for the EP with consideration of this issue at a meeting of the department, the Faculty Council for Academic Quality, the Academic Council and the Academic Council of the University.

4.9.7 ESD ensures amendments to the register of EP for exclusion EP.

4.10 Requirements for the design of educational programs

4.10.1 It is recommended to draw up structural elements of the PD in accordance with the appendices to this regulation and approved IRD forms.

4.10.2 The educational program on paper is compiled on white blank sheets of paper of A4 formats (210 x 297 millimeters (hereinafter - mm) and has fields of at least:

- 1) left field - 20 mm;
- 2) right field - 10 mm;
- 3) upper field - 10 mm;
- 4) lower field - 10 mm.

Font: Times New Roman.

Pin: 12.

Line spacing: single.

5. Procedure for development and implementation of two-degree educational programs.

5.1 Two-degree education program - a program based on the comparability and synchronization of educational programs (hereinafter referred to as EP) of partner organizations of higher and (or) postgraduate education and characterized by the adoption by the parties of common obligations on such issues as determining the goals and content of the program, organizing the educational process, awarded degrees or assigned qualifications.

5.2 The EP of two-degree education must contain the results of training and a description of the competencies obtained by the student in the process of training at the partner university.

5.3 Programs of two-degree education are developed on the basis of an agreement between partner universities (at least two universities), while the partner university must provide training in the areas of training of NJSC "KATRU named after S. Seifullin," according to which a program of two-degree education is created, and have links in this EP.

5.4 The contract with the partner university, after discussion and agreement with the Director of the Legal Service, is signed by both parties in the languages of both parties in two copies and transferred to each party. Until the signed originals of contracts are received by the parties, partner universities are guided by scanned versions (signed scanned versions are valid until the exchange of originals);

5.5 The agreement with partner universities stipulates all the conditions for the implementation of the EP. At the same time, mandatory conditions for the implementation of dual-degree education programs are:

5.5.1 joint development and approval of EP;

5.5.2 mastering by students included in two-degree education, part of the EP in a partner university;

5.5.3 mandatory recognition and automatic recalculation of training periods and results based on agreements, general principles and quality assurance standards;

5.5.4 involvement of teachers in two-degree education, teaching, participation in general admission and final certification commissions;

5.5.5 a student who has fully mastered the dual-degree education program is awarded the degree of each university participating in this program or one joint degree on the basis of a contract;

5.5.6 providing the student with resources: educational and methodological, classroom, information, housing, transport, etc.;

5.5.7 financial support for the implementation of the program: cost of training, payment of scholarships, payment of student transfer.

5.6. If necessary, the duration of the students' mastering of the dual-degree education program, depending on the chosen model of its implementation, increases in undergraduate - by 1-1.5 years, in graduate - by 0.5-1 year, in doctoral studies - by 1 year.

5.7 The Dean's Office and the Department, together with the Department for International Cooperation and Academic Mobility, coordinate actions to search for partner universities in the areas of training and conduct correspondence with them.

The terms of study at the partner university are agreed by both parties.

5.8 Distance learning technologies may be used in dual-degree education programs.

5.10 The procedures for inclusion of students in the dual-degree education program are developed by partner universities on the basis of mutual agreements.

These procedures reflect the process of including students in the curriculum of two-degree education at their university and the process of enrolling foreign students in the curriculum of two-degree education.

5.11 Inclusion of a student in the program of two-degree education is carried out on the basis of his application and in accordance with the concluded agreement (agreement) with the partner university.

The student undergoes enrollment procedures at a partner university.

5.12 The individual curriculum of the student includes a list of educational disciplines, their labor intensity (in credits and hours), distribution by semesters, partner organizations of higher and (or) postgraduate education, where they will be mastered.

5.13 The educational program of two-degree education is built on a modular principle. At the same time, each partner university ensures the development of modules, their information, methodological and didactic support, training and certification of teachers.

5.14 The educational program of two-degree education takes into account the requirements of state generally obligatory standards of higher and postgraduate education of the Republic of Kazakhstan and the requirements of a partner university.

5.15 Tuition at the partner university is paid on the basis of the concluded agreement (agreement).

5.16 The coverage of the disciplines of educational programs of both parties is taken into account when drawing up an individual curriculum of the student. The student fully undergoes all types of practices and final certification.

5.17 The individual curriculum of the student may include additional educational modules and summer semesters.

5.18 When developing curricula for two-degree education, partner universities independently determine the trajectory of training, including the procedure for mastering disciplines, passing educational and professional practices, and intermediate certification procedures.

5.19 When developing programs of two-degree education, the labor intensity of mastering the disciplines of the mandatory component increases by agreement of partner universities on the basis of the principles of expediency and professional orientation.

5.20 The procedure for recognition of disciplines and their mutual offset is carried out in accordance with their content and the complexity of study.

5.21 During the entire period of study, educational achievements (academic indicators) of students in the studied disciplines are sent to partner universities after the end of the semester.

5.22 At the end of each academic year, the partner university implementing the corresponding program module issues a transcript to the student.

5.23 Re-calculation of loans mastered at the partner university, the procedure and terms for eliminating the difference in the disciplines of the curriculum are drawn up by order of the head of the unit (dean).

5.24 The Department of Student Affairs includes credited disciplines and the number of credits in the academic transcript with the mark of the partner university.

5.25 Upon completion of training and fulfillment of all requirements for each of the programs, the student is issued two diplomas of established samples on the award of an academic degree and two transcripts.

At the same time, the diploma has the form of a separate document (issued in addition to one or two national university diplomas), the form of a single document (issued by partner universities that study under this educational program without issuing national diplomas) or the form of several national diplomas issued simultaneously.

6. Procedure for development and implementation of joint educational programs

Educational programs are considered joint if they meet the following characteristics:

Programs are developed and approved jointly by two or more universities;

The student of the university undergoes part of the training in one or more universities in a certain direction of training;

The term of training of a student in NJSC "KATRU named after S. Seifullin" and partner universities is identical in duration;

The term of study and passed exams in partner universities are fully recognized;

Teachers of NJSC "KATRU named after S. Seifullin" can also teach at partner universities, jointly develop curricula and create joint commissions for enrollment and acceptance of exams.

Key Joint Program Challenges:

Training quality issues;

Issues of recognition of joint diplomas;

Financial issues of implementation of joint educational programs.

This program can be carried out under the program of both higher and postgraduate education.

The Dean's Office and departments interact with the Department of International Cooperation and Academic Mobility of KATRU on the choice of a partner university for the implementation of joint educational programs (hereinafter referred to as JEP) and conduct correspondence with them.

The partner university shall train personnel in the areas KATRU of training, for which a JEP is created and must have a linked EP.

The JEP should contain the results of training and a description of the competencies obtained by the student during training at the partner university.

The procedure for approving joint educational programs is carried out in accordance with internal regulatory documents in NJSC "KATRU named after S. Seifullin" after coordination with partner universities and is entered into the register of the Ministry of Education and Science of the Republic of Kazakhstan.

6.1 The procedure for organizing the JEP for students, the selection of students is carried out by the university independently with the participation of a partner university.

6.2 When implementing the JEP, the student studies at partner universities, including abroad. At the same time, a bilateral agreement is concluded between educational organizations.

6.3 The student shall be sent to participate in JEPs funded at the state level in

accordance with the contract.

6.4 Agreements with partner universities stipulate all conditions for the implementation of the EP. At the same time, mandatory conditions for the implementation of JEP programs are:

6.4.1 Language of Instruction;

6.4.2 Joint development and approval of educational programs for the period of study at partner universities;

6.4.3 Students included in the JEP shall master part of the educational program in the organization of higher and (or) postgraduate education at partner universities;

6.4.4. Mandatory recognition and automatic recalculation of training periods and results based on agreements, general principles and quality assurance standards;

6.4.5 Involvement of teachers in JEP, joint development of the educational program, teaching, participation in intermediate knowledge control;

6.4.6 Provision of students with resources: educational and methodological, classroom, information, housing, transport, etc.

6.5 Tuition at the partner university is paid on the basis of the concluded agreement (agreement).

6.6 The contract with partner universities, after discussion and consideration by the legal service, is signed by both parties in the state languages of the parties in two copies and transferred to each party.

6.7 The language of study at the university is specified in the contract. To participate in the international JEP, the student must be fluent in the language of instruction at the level provided for by the host educational organization.

6.8 The final document confirming the trainee's training according to the JEP is a transcript (in three languages) or its equivalent in the host country.

6.9 Information about the training program is entered into the transcript: names of disciplines (module), grades, the number of mastered academic credits.

6.10 The results of training, fully mastered by students within the JEP and confirmed by the transcript, are re-calculated by the university.

6.11 Upon completion of training according to the JEP in the partner university, the student continues his training at KATRU according to the previously approved EP.

7. Responsibility

7.1 Responsibility for the proper fulfillment of the requirements of this Regulation shall be borne by the participants of the educational process (PTS, students and AMP) involved in the development, approval, implementation and updating of the PD, in accordance with the functional responsibilities of the structural units of NJSC S. Seifullin KATRU.

8. Final provisions

8.1 The requirements of this Regulation are mandatory for all structural divisions of NJSC S. Seifullin KATRU responsible for development, approval and update of EP.

8.2 This Regulation may be amended and supplemented as necessary to comply with the EP.

9. Designations and abbreviations

AMP - administrative and managerial staff and other service personnel.
NJSC "KATRU named after S. Seifullin" – NJSC "Kazakh Agrotechnical Research University named after S. Seifullin."
BD - basic disciplines.
UC - university component.
SCES - State Compulsory Education Standard.
IPE - Institute of Postgraduate Education.
DAA - Department of Academic Affairs.
DICAM - Department of International Cooperation and Academic Mobility.
IUS - individual curriculum of the student.
CED is a catalog of elective disciplines.
OC - optional component.
MS&HE RK - Ministry of Science and Higher Education of the Republic of Kazakhstan.
EP- educational program.
OhEP - organization of higher and education postgraduate.
GED - general education disciplines.
PD - profiling disciplines.
PTS – professor-teaching structure.
WCEP - working curriculum of the educational program.
TC- a typical curriculum.
JEP - joint educational program.
DEP is a two-degree educational program.

Appendix 1
to the Regulation on the development procedure,
approvals, updates
educational programs

Professional Analysis Results

Profession: _____	Mandatory labor functions:	1. 2. 3.
Labor Function A:	Профессиональная задача А:	knowledge: 1. 2. 3. 4. 5. abilities: 1. 2. 3. 4. 5.
Labor Function B:	Профессиональная задача В:	knowledge: 1. 2. 3. 4. 5. abilities: 1. 2. 3. 4. 5.
Requirements for personal competencies:	- - -	

An approximate list of verbs that can be used in the formulation of training results

Verbs that can be used to reveal knowledge:

Define, describe, list, find, link, approve, write, measure, compare, revise, extract, identify, show, name.

Verbs that can be used to reveal understanding:

Generalize, describe, compare, classify, contrast, transform, discuss, distinguish, identify, evaluate, explain, formulate, provide examples of interpret, translate, express, illustrate, discuss, predict, present, select.

Verbs that can be used to reveal the ability to use:

Apply, evaluate, change, select, show, discover, calculate, explain how, illustrate, predict, cook, produce, link, show, solve, study, verify, calculate, build, change, classify, experiment, solve.

Verbs that can be used to reveal the ability to analyze:

Analyze, divide, classify, order, compare, conclude, contrast, criticize, diagnose, explain, combine, differentiate, distinguish, study, justify, draw conclusions.

Verbs that can be used to reveal the ability to synthesize:

Count, assert, compose, conclude, create, receive, develop, formulate, generalize, establish, transform, integrate, reorder, organize, plan, propose, invent, reformulate, report, revise, select, generalize, synthesize, teach, tell.

Verbs that can be used to reveal grading skills are:

Evaluate, determine value, decide, determine, rank, recommend, elect, distinguish, choose, compare, conclude, criticize, defend, judge, confirm, make ratings, generalize.

Verbs that can be used to reveal problem solving skills are:

Decide, select, define, propose, plan, confirm, evaluate, formulate, describe procedures, develop, propose options.

Verbs that can be used to reveal communication skills:

Communicate, express, explain, respond, debate, defend, review, exam, tell, teach, present, draw conclusions.

Appendix 3
to the Regulation on the
development procedure,
approvals, updates
educational programs

Form of educational program (format - book/landscape)

Educational program title page (sample)

Ministry of Agriculture of the Republic of Kazakhstan
NJSC "Kazakh Agrotechnical Research University
named after S. Seifullin "

«CLAIM»

Chairman of the Management
Board-Rector NJSC "Kazakh agrotechnical
research university named after S. Seifullin"

(signature) (full name)

Protocol №__ from «__ »__ __ y.

Educational program

«_____» (*Specify the type of EP*)
(code and name of the program)

Education area code and classification: _____

Code and classification of training directions: _____

The code in the International Standard Classification of Education is: _____

Degree/qualification awarded:

bachelor / expert / master / doctor _____

(according to Annex 4 of the SOO)

Astana 20_

Unauthorized copying of the document is prohibited

Academic Committee:

№	Full name	Academic degree, academic title	Position	Work location	Signature

Agreed with employer representatives:

№	Full name	Position	Work location	signature, print

The Academic Committee was approved by order of the Chairman of the Board-Rector of NJSC "S. Seifullin KATRU" № ____ from «__» _____ 20_ y.

Educational program _____

(code and name of the program)

Reviewed at:

at a meeting of the department

Protocol № ____ from «__» _____ 20_ y.,

at a meeting of the Faculty Council on Academic Quality

Protocol № _____ «__» _____ 20_ г.

at a meeting of the Academic Council of the University

protocol № _____ «__» _____ 20_ г.

Actualization date EP «__» _____ 20_ y.

Appendix 4
to the Regulation on the
development procedure,
approvals, updates
educational programs

The content of the educational program

№	Component name	Pages
1	Regulatory references	
2	Passport of the educational program	
3	General characteristics of the educational program	
4	Competence model (portrait) the graduate	
5	Professional practice database	
6	The structure of the educational program	
7	Curriculum (for the entire period of study)	
8	Appendix 1 to the academic calendar	
9	The relationship between the achievability of the formed learning outcomes in the educational program and academic disciplines	

Appendix 5
to the Regulation on the
Procedure for Developing,
Approving, and Updating
Educational Programs

The structure of educational programs by level of study

(Required)

The structure of the educational program of higher education (4 years)

№	Naming of cycles and disciplines	Overall labor intensity	
		in academic hours	in academic credits
1	2	3	4
1	The cycle of general education disciplines (ED)	1680	56
1)	Required component	1530	51
	The history of Kazakhstan	150	5
	Philosophy	150	5
	Foreign language	300	10
	Kazakh (Russian) language	300	10
	Information and communication technologies	150	5
	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8
	Physical Culture	240	8
2)	University component and/or optional component	150	5
2	The cycle of basic and profile disciplines (BD, PD)	5280	176
1)	University component and/or optional component		
2)	Professional practice		
3	Additional types of education (DAA)		
1)	Component of choice		
4	Final certification	240	8
	Total	7200	240

The structure of the higher education educational program (5 years)

№	Naming of cycles and disciplines	Overall labor intensity	
		in academic hours	in academic credits
1	2	3	4
1	Cycle of general education disciplines (JED)	1680	56
1)	Required component	1530	51
	The history of Kazakhstan	150	5
	Philosophy	150	5
	Foreign language	300	10
	Kazakh (Russian) language	300	10
	Information and communication technologies	150	5
	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8
	Physical Culture	240	8
2)	University component and/or optional component	150	5
2	The cycle of basic and profile disciplines (DB, PD)	Nevertheless 7080	Nevertheless 236
1)	University component and/or optional component		
2)	Professional practice		
3	Additional types of education (ATE)		
1)	Component of choice		
4	Final certification	Nevertheless 240	Nevertheless 8
	Total	Nevertheless 9000	Nevertheless 300

The structure of the Master's degree program in the scientific and pedagogical direction

№	Naming of cycles of disciplines and types of activities	Overall labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	2640	88
1.1	The cycle of basic disciplines (DB)	1050	35
1)	University Component (VC):	600	20
	including:		
	History and philosophy of science		
	Foreign language (professional)		
	Higher school pedagogy		
	Psychology of management		
	Teaching practice		
2)	Component of choice (CC)	450	15
1.2	Cycle of profile disciplines (CD)	1590	53
1)	University component and/or optional component		
2)	Research practice		
2.	Master's student's research work	720	24
1)	Research work of a master's student, including an internship and completion of a master's thesis	720	24
3	Additional types of education (DAA)		
4	Final certification (IA)	Nevertheless 240	Nevertheless 8
1)	Preparation and defense of a Master's thesis (PDMT)	240	8
	Total	Nevertheless 3600	Nevertheless 120

The structure of the Master's degree program in the relevant field

№	Naming of cycles of disciplines and types of activities	Overall labor intensity			
		with a typical study period of 1 year		with a typical study period of 1.5 years	
		in academic hours	in academic credits	in academic hours	in academic credits
1	2	3	4	5	6
1.	Theoretical training	Nevertheless 1170	Nevertheless 39	1920	64
1.1	The cycle of basic disciplines (BD)	Nevertheless 300	Nevertheless 10	450	15
1)	University Component (UC)	180	6	180	6
	including:				

	Foreign language (professional)				
	Management				
	Psychology of management				
2)	Component of choice (CC)	Nevertheless 120	Nevertheless s 4	270	9
1.2	Cycle of profile disciplines (CPD)	Nevertheless 870	Nevertheless s 29	1470	49
1)	University component and/or optional component				
2)	Production practice				
2	Experimental research work of a Master's student (EERWMS)	Nevertheless 390	Nevertheless s 13	540	18
1)	Experimental and research work of a master's student, including an internship and a master's project	Nevertheless 390	Nevertheless s 13	540	18
3	Additional types of education (ATE)				
4	Final certification (FC)	Nevertheless 240	Nevertheless s 8	Nevertheless 240	Nevertheless ss 8
1)	Registration and protection of the Master's project (R&PMP)	Nevertheless 240	Nevertheless s 8	Nevertheless 240	Nevertheless ss 8
	Total	Nevertheless 1800	Nevertheless s 60	Nevertheless 2700	Nevertheless ss 90

The structure of the doctoral program in the scientific and pedagogical field

№	Naming of cycles of disciplines and types of activities	Overall labor intensity	
		in academic hours	in academic credits
1.	Theoretical training	1350	45
1.1	The cycle of basic disciplines (BD) 1) Academic writing 2) Scientific research methods		
1)	University component and/or optional component		
2)	Teaching practice	Nevertheless 300	Nevertheless 10
1.2	Cycle of profile disciplines (CPD)		
1)	University component and/or optional component		
2)	Исследовательская практика	Nevertheless 300	Nevertheless 10
2	Research work of a doctoral student (RWDS)	3690	123
1)	Doctoral student's research work, including internship and doctoral thesis completion		
3	Additional types of education (ATE)		
4	Final certification (FC)	360	12
1)	Writing and defending a doctoral thesis	360	12
	Total	Nevertheless 5400	Nevertheless 180

The structure of the doctoral degree program by profile

№	Naming of cycles of disciplines and types of activities	Overall labor intensity	
		in academic hours	in academic credits
1.	Theoretical training	1350	45
1.1	The cycle of basic disciplines (BD) 1) Academic writing 2) Scientific research methods		
1)	University component and/or optional component		
1.2	Cycle of profile disciplines (PD)		
1)	University component and/or optional component		
2)	Production practice	Nevertheless 600	Nevertheless 20
2	Experimental research work of a doctoral student (ERWDS)	3690	123
1)	Experimental research work of a doctoral student, including an internship and a doctoral dissertation		
3	Additional types of education (ATE)		
4	Final certification (FC)	360	12
1)	Writing and defending a doctoral thesis	360	12
	Total	Nevertheless 5400	Nevertheless 180

Total with uch FC							300		9000,0	
-------------------	--	--	--	--	--	--	-----	--	--------	--

Exams (semester)* - The final form of control over Physical culture and types of professional practice is a differentiated assessment.

The curriculum is compiled in accordance with the State Standard of Higher and Postgraduate Education (approved by the Order of the Ministry of Internal Affairs of the Republic of Kazakhstan dated 07/20/2022 №2), the educational program of the specialty.

The curriculum is reviewed and approved by the Faculty Council on Academic Quality Protocol № from 20__y.

Director DAA

Associate Director DAA

Dean of the Faculty

Head of the Department

Director DAA

Vice Director DAA

Dean of the Faculty

Head of the Department

Full name, position, signatures of persons responsible for the educational process from the partner university

Appendix 8 to the Regulation on the
Procedure for Developing,
Approving, and Updating
Educational Programs

Master's Degree curriculum (sample)

Reviewed
at the meeting of the Academic Council
Member of the Board-Vice Rector
Protocol №__ from «__»__202__y

Approving
on academic issues of the NJSC
«KATRU» named after S.Seifullin

Abisheva R.D.
«__»__202__y.

THE CURRICULUM

on 20__ - 20__ academic years
for the educational program "7M08401 - Intensive fish farming"
field of education 7M08 – Agriculture and bioresources
training area 7M084 – Fisheries
specialty/ group of educational programs M134 – Fisheries
Degree: Master's degree in the fields of (Scientific and pedagogical)
Form of study: Full-time (Master's degree 2 years) semesters

The cipher of the module	Module name	The cycle of discipline	The discipline component	Discipline code	Name of the discipline	Academic credits	Academic period monitoring					Volume in hours					Distribution of credits by academic periods					
							Exams	Differentiated credit (practice)	Differentiated credit coursework	Practice/Research	Course work/project	Total	Classroom classes	including			IWMT	IWM	1 course		2 course	
														Lectures	Practical	LPZ			1	2	3	4
							Weeks in the academic period															
15 15 15 15																						
Common modules																						
		BD	UC		Foreign language (professional)																	
		BD	UC		History and philosophy of science																	
		BD	UC		Higher school pedagogy																	
		BD	UK		Psychology																	

Scientific research work (SRW)																							
					Doctoral student's research work, including internship and doctoral thesis completion																		
ATT	Additional types of training																						
FA	Final certification					12																	
	Preparation and defense of a doctoral thesis					12																	
	Total					180																	

The curriculum is compiled in accordance with the State Standard of Higher and Postgraduate Education (approved by the Order of the Ministry of Internal Affairs of the Republic of Kazakhstan dated 07/20/2022 №2), the educational program of the specialty.

The curriculum is reviewed and approved by the Faculty Council on Academic Quality Protocol № from 20__

Director IPS
 Director DAA
 Dean of the Faculty
 Head of the Department

Appendix 11
to the Regulation on the procedure for developing,
approving, and Updating
Educational Programs

(Required)

**The relationship between the achievability of the formed learning outcomes in the
educational program and academic disciplines**

№	Name of the discipline	Brief description of the discipline	Number of credits	Generated learning outcomes (codes)					
				1	LO 2	LO 3	LO 4	LO5
Cycle of general education disciplines									
Compulsory component/University component/Elective component									
					<u>y</u>		<u>y</u>	<u>y</u>	
Cycle of basic disciplines/Cycle of major disciplines University component/Elective component									
					<u>y</u>		<u>y</u>		<u>y</u>
						<u>y</u>			<u>y</u>
					<u>y</u>				

Appendix 12
to the Regulation on the procedure for
developing,
approving, updating
educational programs

Determining the relationship between competence and learning outcomes

Competencies	LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO7
C1									
C2									

Appendix 13
to the Regulation on the procedure for
developing,
approving, updating
educational programs

Dublin descriptors for each level of study according to the framework of qualifications of the
European Higher Education Area (QF-EHEA)

Learning Outcomes	First level of study (bachelor's degree)	Second level of study (Master's degree)	Third level of study (PhD doctoral program)
1. Knowledge and understanding	<ul style="list-style-type: none"> - demonstrate knowledge and understanding in the subject area, based on advanced knowledge in the subject area; - know the methods of scientific research and academic writing and apply them in the subject area; - understand the importance of the principles and culture of academic integrity. 	<ul style="list-style-type: none"> -Demonstrate developing knowledge and understanding in the area of study, based on advanced knowledge in that area, when developing and/or applying ideas in the context of research; 	<ul style="list-style-type: none"> - demonstrate a systematic understanding of the field of study, mastery of the skills and research methods used in this field;
2. Practical use of knowledge and ability to understand	<ul style="list-style-type: none"> - apply knowledge and understanding skills at a professional level, formulate arguments and solve problems in the area of study; - apply theoretical and practical knowledge to solve educational, practical and professional problems tasks in the area of study; 	<ul style="list-style-type: none"> - apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context; 	<ul style="list-style-type: none"> - demonstrate the ability to think, design, implement and adapt a substantial research process with a scientific approach;

	- apply knowledge and understanding of facts, phenomena, theories and complex dependencies between them in the area of study;		
3. The ability to make judgments, evaluate ideas and formulate conclusions	-collect and interpret information to form judgments taking into account social, ethical and scientific considerations;	-collect and interpret information to form judgments taking into account social, ethical and scientific considerations;	-contribute with original research to the expansion of the boundaries of a scientific field that deserves publication at the national or international level; - critically analyze, evaluate and synthesize new and complex ideas;
4. Communication skills	-communicate information, ideas, problems and solutions to both specialized and non-specialized audiences	- communicate information, ideas, conclusions, problems and solutions clearly and unambiguously to both specialists and non-specialists;	- communicate your knowledge and achievements to colleagues, the scientific community and the general public;
5. Self-learning	- learning skills necessary for independent continuation of further education in the area of study;	- learning skills necessary for independent continuation of further learning in the studied area.	- to promote advancement in academic and professional contexts of technological, social or cultural development based on common knowledge.

Title page of the joint, double-degree educational program (sample)

Ministry of Agriculture of the Republic of Kazakhstan
NJSC "Kazakh Agrotechnical Research University named after S. Seifullin"

«APPROVE»

Manager position, title
Partner University

(signature) (full name)

Protocol №__ from «__ »__ __ y.

«APPROVE»

Chairman of the Board - Rector
NJSC "Kazakh Agrotechnical Research
University" named after S.Seifullin "

(signature) (full name)

protocol №__ from «__ »__ __ y.

EDUCATIONAL PROGRAM

«_____» (*specify type EP*)
(code and name of the program)

Code and classification of the field of education:

Code and classification of training areas:

Code in the International Standard Classification of Education:

Degree/Qualification awarded:

bachelor / specialist / master / doctor _____
(according to Appendix 4 of the State Educational Standard)

Degree/Qualification awarded:

bachelor / specialist / master / doctor _____
(Partner University)

.....-Astana 20_

Appendix 14
to the Regulation on the
procedure for developing,
approving, updating
educational programs

Academic Committee of NJSC "KATRU named after S.Seifullin":

№	Full name	Academic degree, academic title	Job title	Place of work	Signature

The Academic Committee was approved by the order of the Chairman of the Board - Rector of NJSC "KATRU named after S. Seifullin" № ____ dated "____" _____ 20_.

Team of developers from the partner university:

№	Full name	Academic degree, academic title	Job title	Place of work	Signature

Agreed with employers' representatives:

№	Full name	Job title	Place of work	Signature, seal

Educational program _____
(code and program name)

Reviewed on: at a department meeting _____

Protocol № ____ from « ____ » _____ 20_ y.,
at a meeting of the department of a partner university _____

Protocol № ____ from « ____ » _____ 20_ y.,
at a meeting of the Faculty Council on Academic Quality
Protocol № _____ « ____ » _____ 20_ y.

at a meeting of the Faculty Council of the partner university Protocol № _____
« ____ » _____ 20_ y.

at a meeting of the Academic Council of the University Protocol № _____
« ____ » _____ 20_ y.

Reviewed at a meeting of the collegial body
of the partner university

minutes №. _____ « ____ » _____ 20_

Date of updating the EP « ____ » _____ 20_

Title page of a joint educational program (sample)

Ministry of Agriculture of the Republic of Kazakhstan
NJSC "Kazakh Agrotechnical Research University named after S. Seifullin"

«APPROVE»

Manager position, title
Partner University

(signature)

(full name)

Protocol №__ from «__» ____ y.

«APPROVE»

Chairman of the Board - Rector
NJSC "Kazakh Agrotechnical Research
University" named after S.Seifullin "

(signature)

(full name)

protocol №__ from «__» ____ y.

EDUCATIONAL PROGRAM

«_____» (*specify type EP*)

(code and name of the program)

Code and classification of the field of education:

Code and classification of training areas:

Code in the International Standard Classification of Education:

Degree/Qualification awarded:

bachelor / specialist / master / doctor _____

(according to Appendix 4 of the State Educational Standard)

Degree/Qualification awarded:

bachelor / specialist / master / doctor _____

(Partner University)

.....-Astana 20_

Appendix 15
to the Regulation on the
procedure for developing,
approving, updating
educational programs

Academic Committee of NJSC "KATRU named after S.Seifullin":

№	Full name	Academic degree, academic title	Job title	Place of work	Signature

The Academic Committee was approved by the order of the Chairman of the Board - Rector of NJSC "KATRU named after S. Seifullin" № ____ dated "___" _____ 20_.

Team of developers from the partner university:

№	Full name	Academic degree, academic title	Job title	Place of work	Signature

Agreed with employers' representatives:

№	Full name	Job title	Place of work	Signature, seal

Educational program _____
(code and program name)

Reviewed on: at a department meeting _____

Protocol № ____ from «___» _____ 20_ y.,
at a meeting of the department of a partner university _____

Protocol № ____ from «___» _____ 20_ y.,
at a meeting of the Faculty Council on Academic Quality
Protocol № _____ «___» _____ 20_ y.

at a meeting of the Faculty Council of the partner university Protocol № _____
«___» _____ 20_ y.

at a meeting of the Academic Council of the University Protocol № _____
«___» _____ 20_ y.

Reviewed at a meeting of the collegial body
of the partner university

minutes №. _____ «___» _____ 20_

Date of updating the EP «___» _____ 20_