



## **On approval of state compulsory standards of higher and postgraduate education**

Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No. 2. Registered with the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916.

**Note IZPI!**

**See clause 5 for the order of entry into force**

In accordance with subparagraph 5-1) of Article 5 of the Law of the Republic of Kazakhstan "On Education", paragraph 1 of Article 27 and Article 36 of the Law of the Republic of Kazakhstan "On Legal Acts", Decree of the President of the Republic of Kazakhstan dated June 11, 2022 No. 917 "On measures to further improvement of the public administration system of the Republic of Kazakhstan" I ORDER:

1. Approve:
- 2) State obligatory standard of postgraduate education in accordance with Appendix 2 to this order.

### **State obligatory standard of postgraduate education**

#### **Chapter 1. General Provisions**

1. This state compulsory standard of postgraduate education (hereinafter referred to as SCES) was developed in accordance with subparagraphs 5-1) and 5-2) of Article 5 and Article 56 of the Law of the Republic of Kazakhstan "On Education" (hereinafter referred to as the Law) and determines the requirements for the content of education with a focus on learning outcomes, the maximum amount of student workload, the level of training of students and the period of study in organizations of higher and (or) postgraduate education (hereinafter - OVPO), including in military special educational institutions (hereinafter - VSUZ), regardless of the form ownership and departmental subordination. In educational organizations under the President of the Republic of Kazakhstan, under the Supreme Court of the Republic of Kazakhstan, the content of education and learning technologies are determined independently in accordance with the special status,

2. In GOSO, concepts are applied in accordance with the Law. In addition to these, the following concepts are included:

1) qualification characteristics in higher educational institutions - knowledge, skills and abilities necessary for the effective implementation of professional activities in the field of defense of the Republic of Kazakhstan and corresponding to a specific position;

- 2) qualification requirements in higher educational institutions - knowledge, skills and abilities necessary for the effective implementation of professional activities in the system of national security bodies, law enforcement agencies and corresponding to a specific position;
- 3) professional competencies in higher education institutions - knowledge, skills and abilities necessary for the effective implementation of professional activities in the system of law enforcement agencies in the relevant position;
- 4) master's thesis in higher education institutions - the final work of a master student, which is an independent scientific research containing theoretical and (or) practical developments of an actual problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science;
- 5) RUPL in higher education institutions - an educational document developed by an educational organization independently on the basis of an educational program or TUPL.
- 6) doctor by profile - a degree awarded to persons who have mastered the doctoral program in the relevant field of professional activity and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner prescribed by the legislation of the Republic of Kazakhstan;
- 7) DBA program (hereinafter referred to as the DBA program (DCBA)) is an educational program of postgraduate education based on project work and applied research in business administration and aimed at training management personnel;
- 8) doctoral student - a person studying in doctoral studies;
- 9) doctoral studies - postgraduate education, educational programs of which are aimed at training personnel for scientific, pedagogical and (or) professional activities, with the award of the degree of Doctor of Philosophy (PhD) (doctor in profile) with the obligatory development of at least 180 academic credits;
- 10) doctoral dissertation - a scientific work of a doctoral student, which is an independent study, in which theoretical provisions are developed, the totality of which can be qualified as a new scientific achievement, or a scientific problem is solved, or scientifically based technical, economic or technological solutions are presented;
- 11) descriptors (descriptors (descriptor)) - a description of the level and scope of knowledge, skills, abilities and competencies acquired by students upon completion of the study of the educational program of the corresponding level (stage) of higher and postgraduate education, based on learning outcomes, formed competencies and academic credits;

- 12) executive MBA (hereinafter referred to as EMBA (executive MBA)) is an MBA program focused on training top managers, taking into account the specifics of the target audience;
- 13) individual curriculum (hereinafter - IEP) - the curriculum of the student, independently formed by him for each academic year with the help of an advisor based on the educational program and the catalog of elective disciplines;
- 14) university component (hereinafter - VC) - a list of academic disciplines and the corresponding minimum volumes of academic credits, determined independently by the OVPO for mastering the educational program;
- 15) competencies - the ability to practically use the knowledge, skills and abilities acquired in the process of training in professional activities;
- 16) master - a degree awarded to persons who have mastered the educational programs of the master's program;
- 17) undergraduate - a person studying in the magistracy;
- 18) magistracy - the level of postgraduate education aimed at training personnel with the award of a "master" degree in the relevant educational program with the obligatory development of at least 60-120 academic credits;
- 19) master's thesis - the graduate work of a master student of the scientific and pedagogical master's program, which is an independent scientific research containing theoretical and / or practical developments of an actual problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science and technology;
- 20) master's project - the final work of a master's degree student of a specialized master's program, which is an independent study containing theoretical and (or) experimental results that allow solving an applied problem of an actual problem of the chosen educational program;
- 21) MBA program - a program for training management personnel with modern knowledge and skills in the field of business, able to manage processes and personnel assets, form the company's strategy, be able to determine strategic and operational objectives and achieve them using scientific tools;
- 22) a mandatory component - a list of academic disciplines and the corresponding minimum volumes of academic credits established by the State Educational Standard, and studied by students on a mandatory basis in the educational program;
- 23) working curriculum (hereinafter - RUPL) - an educational document developed by the OVPO independently on the basis of the educational program and individual curricula of students;

24) elective component - a list of academic disciplines and the corresponding minimum volumes of academic credits offered by the VPO, independently chosen by students in any academic period, taking into account their prerequisites and postrequisites;

25) Doctor of Philosophy (PhD) - a degree awarded to persons who have mastered the doctoral program in the scientific and pedagogical direction and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner prescribed by the legislation of the Republic of Kazakhstan;

26) Doctor of Business Administration - a degree awarded to persons who have mastered the DBA program;

27) Master of Business Administration - a degree awarded to persons who have mastered the MBA or EMBA program;

28) scientific substantiation of the dissertation research (research proposal) - a document prepared by a doctoral student and approved by the university during the first or second year of study, including the purpose, objectives and methodology of the study, literature review and expected results of the study.

## **Chapter 2. Requirements for the content of master's degree programs with a focus on learning outcomes**

### **Paragraph 1. Magistracy**

3. The content of the educational program of the master's program consists of:

- 1) theoretical education, including the study of cycles of basic and major disciplines;
- 2) practical training of undergraduates: various types of practices, scientific or professional internships;
- 3) research work, including the implementation of a master's thesis, - for a scientific and pedagogical master's program, or experimental research work, including the implementation of a master's project, - for a specialized master's program. Higher education institutions - the implementation of a master's thesis or a master's project;
- 4) final certification.

4. The cycles of basic (hereinafter - DB) and profiling (hereinafter - PD) disciplines include the disciplines of the university component (hereinafter - VC) and the elective component (hereinafter - EC).

In higher education institutions, the database and PD cycles include the disciplines of VC.

5. The list of disciplines of the university component and the elective component is determined by the OVPO independently. At the same time, the needs of the labor market, the expectations of employers, the needs and interests of undergraduates are taken into account.

The university component of the database cycle of all educational programs of the master's program in the scientific and pedagogical direction includes the disciplines "History and philosophy of science", "Foreign language (professional)", "Pedagogy of higher education", "Psychology of management", for the profile direction - the disciplines "Management", " Psychology of management", "Foreign language (professional)", with the exception of higher education institutions.

OVPO develop integrated programs in the disciplines of the VC cycle of the database, which are interdisciplinary in nature.

6. In the master's program in the scientific and pedagogical direction, the volume of the database cycle is 35 academic credits in the total volume of the educational program of the master's program. Of these, 20 academic credits are allocated to VC.

In higher education institutions in the magistracy of the scientific and pedagogical direction, the volume of the database is at least 16% of the total volume of the educational program of the magistracy.

7. In the master's program of the profile direction, the volume of the database cycle in the total volume of the educational program of the master's program is at least 10 academic credits. Of these, the volume of VC disciplines is 6 academic credits.

In higher education institutions in the master's program of the profile direction, the volume of the database cycle is at least 12% (with a study period of 1 year) and at least 15% (with a study period of 1.5 years) of the total volume of the master's educational program.

**Footnote. Item 7 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 20.02.2023 No. 66 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

8. In the master's program in the scientific and pedagogical direction, the volume of the PD cycle is 53 academic credits in the total volume of the educational program of the master's program.

In higher education institutions, the volume of the cycle of major disciplines (PD) in the master's program in the scientific and pedagogical direction is at least 46% of the total volume of the master's educational program.

**Footnote. Item 8 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

9. In the master's program of the profile direction, the volume of the PD cycle is at least 29 academic credits in the total volume of the educational program of the master's program, which are distributed between the VC and VC independently by the OVPO.

In higher education institutions in the master's program of the profile direction, the volume of the cycle of major disciplines (PD) is at least 47% (with a term of study of 1 year) and at least 50% (with a term of study of 1.5 years) of the total volume of the master's educational program.

**Footnote. Item 9 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

10. Programs of disciplines and modules, as a rule, are interdisciplinary and multidisciplinary in nature, providing training at the intersection of a number of areas of knowledge.

11. The structure of the master's educational program in the relevant areas is determined in accordance with Annexes 1, 2, 3 and 4 to this State Educational Standard.

12. OVPO carries out educational activities in accordance with the obtained license and throughout the entire period of its validity complies with the qualification requirements for educational activities and the list of documents confirming compliance with them, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 (registered in the Register of State Registration of Regulatory Legal Acts under No. 11716).

13. Planning the content of education, the method of organizing and conducting the educational process is carried out by the OVPO and the scientific organization independently on the basis of credit technology of education.

14. The master's program in the scientific and pedagogical direction implements educational programs of postgraduate education for the training of scientific and scientific-pedagogical personnel for OVPO and scientific organizations with in-depth scientific, pedagogical and research training.

In higher educational institutions, scientific and pedagogical and specialized master's programs implement educational programs of postgraduate education for the training of managerial, scientific and pedagogical personnel with in-depth professional or scientific and pedagogical training.

15. Magistracy in the profile direction implements educational programs of postgraduate education for the training of managerial personnel for the sectors of the economy, medicine, law, education, art, services and business, defense and national security, law enforcement, with in-depth professional training.

In order to train specialists for the business environment, OVPO implements MBA programs.

16. A mandatory component of the master's program are:

1) practical training of undergraduates, including various types of practices, scientific or professional internships;

2) research work, including the implementation of a master's thesis for a scientific and pedagogical magistracy or experimental research work, including the implementation of a master's project for a specialized magistracy.

17. The educational program of the scientific and pedagogical magistracy includes two types of practices that are carried out in parallel with theoretical training or in a separate period:

1) pedagogical in the BD cycle - in the OVPO (in higher education institutions in the BD or DVO cycle);

2) research in the PD cycle - at the place of completion of the dissertation (in higher educational institutions within the framework of research).

18. Pedagogical practice is carried out with the aim of developing practical skills in teaching and learning methods. At the same time, undergraduates are involved in conducting undergraduate studies at the discretion of the OVPO.

19. The research practice of the undergraduate is carried out in order to familiarize with the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data.

20. The educational program of the specialized master's program includes work experience in the PD cycle, with the exception of higher education institutions.

Industrial practice in the PD cycle is carried out with the aim of consolidating the theoretical knowledge gained in the learning process, acquiring practical skills, competencies and professional experience in the master's educational program being trained, as well as mastering best practices.

In higher education institutions, industrial practice is carried out within the framework of the EIRM in the form of professional practice or military training.

21. The content of the research (production) practice is determined by the topic of the dissertation (project) research.

22. As part of the research (experimental research) work of the undergraduate (hereinafter referred to as NIRM (EIRM)), the individual work plan of the undergraduate for familiarization with innovative technologies and new types of production provides for a mandatory scientific internship in scientific organizations and (or) organizations of the relevant industries or areas of activity.

The place of scientific internship corresponds to the scientific direction of the educational program and the research topic.

When undergoing an internship abroad, the internship is carried out in leading scientific organizations and OVPO included in international ratings, including in the relevant direction (by Subject (by subject)). In the OVPO in the field of culture and art, internships are carried out in leading scientific organizations and OVPO that are included in international ratings in the direction of "Art" and (or) are members of international professional communities and associations.

The duration of the internship is at least 14 calendar days.

OVPO, together with the organization on the basis of which the internship takes place, approves the internship program and the weekly plan.

The internship program includes the presence of educational and scientific components.

The internship is carried out by persons who have preliminary research results and (or) publications on the research topic.

When completing an internship in a foreign language, a language certificate is required:

- English: Test of English as a Foreign Language Institutional Testing Programm (Test ov English as a Foreign Language Institutional Testing Programs) (TOEFL ITP (TOEFL AiTiPi), threshold score - at least 163 points,
- Test of English as a Foreign Language Institutional Testing Program (Test ov English as a Foreign Languj Institutional Testing Program) Internet-based Test (Internet Basic Test) (TOEFL IBT (TOYFL AIBiTi), threshold score - at least 60,
- Test of English as a Foreign Language Paper-based testing (Test ov English as a Foreign Languj paper based testing) (TOEFL PBT (TOYFL PBT)), threshold score - at least 498,
- Test of English as a Foreign Language Paper-delivered testing (Test ov English as a Foreign Languj paper delivered testing) (TOEFL PDT (TOYFL PidiTi)), threshold score - at least 65,
- International English Language Tests System (International English Language Tests System) (IELTS (ILTS)) threshold score - not less than 6.0;
- and/or German: Deutsche Sprachpruefung fuer den Hochschulzugang (DSH, Niveau C1/level C1), TestDaF-Prufung (testdaf-prufun) (Niveau C1/level C1);
- and / or French: Test de Français International™ - Test de francais International (TFI (TFI) - not lower than B1 level in the sections of reading and listening), Diplome d'Etudes en Langue française - Diploma d'Etudes en Langue française (DELFI (DELFI), level B2), Diplome Approfondi de Langue française - Diploma Approfondi de Langue Française (DALFI (DALFI), level C1), Test de connaissance du français - Test de connaissance du francais (TCFI (TCFI) - at least 50 points) .



NIRM (EIRM) is planned in parallel with other types of educational work or in a separate period.

In higher educational institutions, scientific internships are carried out within the framework of NIRM.

23. The results of research or experimental research work at the end of each period of their passage are drawn up by the undergraduate in the form of a report.

24. Requirements for the research work of a master student in the scientific and pedagogical master's program:

- 1) corresponds to the profile of the educational program of the master's program, according to which the master's thesis is being carried out and defended;
- 2) relevant and contains scientific novelty and practical significance;
- 3) is based on modern theoretical, methodological and technological achievements of science and practice;
- 4) is performed using modern methods of scientific research;
- 5) contains research (methodological, practical) sections on the main protected provisions;
- 6) is based on advanced international experience in the relevant field of knowledge.

25. Requirements for the experimental research work of a master student in a specialized master's program:

- 1) corresponds to the profile of the educational program of the master's program, according to which the master's project is carried out and defended;
- 2) is based on modern achievements in science, technology and production and contains specific practical recommendations, independent solutions to management problems;
- 3) is performed using advanced information technologies;
- 4) contains experimental and research (methodological, practical) sections on the main protected provisions.

26. Every year, at the end of the academic year, the undergraduate passes academic certification for the implementation of an individual work plan. OVPO independently determines the procedure for conducting academic certification of a master student.

27. The final result of the research or experimental research work of a master student is a master's thesis (project).

28. The main results of the master's thesis are presented in at least one publication and (or) one speech at a scientific and practical conference.

29. OVPO assists the undergraduate in the publication of the results of the study.

30. Within two months after the enrollment of the undergraduate, by order of the head of the OVPO, on the basis of the decision of the Academic Council, the topic of the master's thesis (project) is approved and a supervisor is appointed.

**Footnote. Item 30 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

31. Requirements for the content and design of a master's thesis (project), their preparation and defense are determined by the OVPO independently.

In a higher education institution, the requirements for the content and design of a master's thesis (project), their preparation and defense are determined by the higher education institution independently or by the relevant authorized state body.

32. A master's thesis (project) must be checked for plagiarism, the rules and procedures for which are determined by the OVPO independently.

33. The defense of a master's thesis (project) includes the preparation of a master's thesis (project) and the defense procedure.

**Footnote. Item 33 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

34. The procedure for defending a master's thesis (project) is determined by the OVPO and the scientific organization independently.

35. A master who graduated from a profile master's program carries out pedagogical activities after additional development of the educational program of a master's program in a pedagogical profile, with the exception of higher education institutions.

36. The content of the educational program of a pedagogical profile for persons who have graduated from a specialized master's program is established in accordance with Appendix 5 to this standard, with the exception of higher education institutions.

37. A master of a profile direction who has completed the educational program of a master's program in a pedagogical profile is issued an appropriate certificate for the main diploma, with the exception of higher education institutions.

The form of the certificate of mastering the educational program of the master's program in the pedagogical profile is determined by the OVPO independently and is necessarily recognized by the OVPO, regardless of the form of ownership and departmental subordination.

38. The final certification is at least 8 academic credits in the total volume of the educational program of the master's program in scientific, pedagogical and specialized areas and is carried out in the form of defending a master's thesis (project).

In higher education institutions, the amount of final certification is determined independently, it is no more than 12 credits and can be redistributed by the higher education institution independently for cycles of disciplines and activities.

**Footnote. Item 38 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 20.02.2023 No. 66 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

39. The purpose of the final certification is to assess the achieved learning outcomes and mastered competencies upon completion of the study of the master's educational program.

In higher education institutions, final certification is carried out in the form of passing a comprehensive state exam and / or defending a master's thesis (project).

Higher education institutions, taking into account the level of theoretical training, educational achievements, learning outcomes and research and analytical abilities of students, independently determine the forms of final certification for them.

In the absence of admission to the defense of a master's thesis (project), the procedure for defending a master's thesis (project) is determined by the university independently.

40. A student in the magistracy masters additional types of education independently on a paid basis, with the exception of those studying at higher educational institutions.

41. Requirements for key and professional competencies of MBA graduates (EMBA). Competence of an MBA (EMBA) graduate is determined by the following knowledge and skills:

- 1) the essence of business management from the strategic positions of the organization's activities in the modern market environment;
- 2) the structure of organizations, the mechanisms of their interaction with stakeholders, the principles of work in an external context in the long term;
- 3) the concept of leadership in strategic management;
- 4) modern approaches to management;
- 5) analytical methods of management, methods of diagnostics, analysis and problem solving, as well as methods of decision-making and their implementation in practice;
- 6) the importance of business globalization;
- 7) analyze problematic aspects of the business and generate solutions;
- 8) identify the influence of the external environment and take it into account when solving practical problems of management;
- 9) integrate various functional aspects of management, based on knowledge of theory, modern research and practical requirements;
- 10) use a marketing and financial approach to solving problems of company management;

11) consider the problems of doing business and managing it from the standpoint of competition in the international environment.

42. The MBA educational program (EMBA) contains:

- 1) disciplines for the formation of professional competencies and personal development, leadership qualities;
- 2) industrial practice (for persons studying off-duty);
- 3) completion of a master's thesis or project;
- 4) final certification.

43. MBA educational programs (EMBA) for the formation of key and professional competencies consist of disciplines of compulsory and elective components.

The list of elective disciplines is determined in accordance with the direction of preparation and specialization of the MBA (EMBA) program for a particular business industry.

44. The structure of the MBA and EMBA educational programs is established in accordance with Annex 6 to this State Educational Standard.

45. The training of masters in the framework of the educational program MBA (EMBA) is carried out in various areas, subject to the requirements for the training of professional general managers (general manager), as well as the corporate program.

46. Teaching in the MBA (EMBA) programs is provided by the teaching staff involved in business research and consulting, scientific activities, as well as those with managerial experience.

47. OVPO independently develop educational programs for postgraduate education in accordance with the requirements of the state educational educational standard, reflecting the learning outcomes, on the basis of which curricula (working curricula, individual student curricula) and working curricula for disciplines (syllabuses) are developed.

OVPO provides conditions for the implementation of the MBA (EMBA) program, using modern educational technologies and providing the necessary educational services.

Educational programs of postgraduate education are developed according to the principle of modular education (in higher educational institutions it is also developed according to other principles).

48. The training of personnel in the magistracy is carried out on the basis of educational programs of higher education. Upon admission and the profile of the educational program of the master's program coincides with the program of higher education, the learning outcomes of the previous level are recognized automatically; if the profile of the educational program of the master's program does not coincide with

the educational program of higher education, the prerequisites for mastering are set for the undergraduate (prerequisites are not established in higher education institutions).

The list of required prerequisites and the terms for their development are determined by the OVPO independently. Prerequisites are mastered on a paid basis, with the exception of higher education institutions.

As prerequisites, the undergraduate presents the results of training in non-formal education of the appropriate level, the recognition of which is carried out by the OVPO in accordance with subparagraph 38-3) of Article 5 of the Law.

The learning outcomes of higher specialized education programs are equated to the learning outcomes of the relevant master's programs in the profile direction.

For higher education institutions, the results of training in programs of higher specialized education are equated to the results of training in the corresponding master's programs in a specialized direction in the presence of education in a specialized academy.

49. Persons who have completed the MBA / EMBA educational program and successfully passed the final certification are awarded the degree of "Master of Business Administration" and a diploma of postgraduate education with an application (transcript) is issued free of charge.

### **Chapter 3**

50. The study load is measured by the time required for a master's student to study an academic discipline, module or the entire educational program of the master's program and necessary to achieve the established learning outcomes in the educational program of the master's program.

51. The study load includes all the educational activities of the undergraduate - lectures, seminars, group classes, group exercises, practical classes, term papers (projects), practical and laboratory work, studio classes, practice, scientific or professional internship, research work (experimental - research work), the implementation of a master's thesis (project), independent work, including under the guidance of a teacher.

52. A master student is trained on the basis of an individual work plan, which is compiled under the guidance of a supervisor.

53. The OVPO independently determines the structure of the individual work plan of the undergraduate.

In higher education institutions, an individual work plan for a master student is drawn up for the entire period of study and includes the following sections:

1) research, experimental research work (topic, direction of research, timing and reporting form);

- 2) practice (including pedagogical), military training (program, base, terms and form of reporting);
- 3) the topic of the master's thesis (master's project) with justification and structure;
- 4) plan for the implementation of the master's thesis (master's project);
- 5) plan of scientific publications, participation in scientific and practical (scientific and theoretical conferences).

54. When determining the undergraduate workload, it is assumed that the academic year consists of academic periods, the forms of which (semester - 15 weeks, trimester - 10 weeks, quarter - 7-8 weeks) are determined by the OVPO independently or by a scientific organization, the period of final certification ( in graduate school).

55. The full academic load of one academic year corresponds to at least 60 academic credits and corresponds to at least 1800 academic hours per academic year. At the same time, during one semester, the student masters at least 30 academic credits.

56. One academic credit corresponds to 30 academic hours.

57. The workload specified in paragraphs 54 and 55 of this SCES represents a typical workload. A master's student masters a smaller or larger number of academic credits per semester. For certain categories of undergraduates, depending on the form and technology of training, the actual time to achieve learning outcomes differs and is calculated by the AEEP independently.

**Footnote. Item 57 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

58. The main criterion for the completion of training in master's programs is the development by students of:

- 1) in the scientific and pedagogical magistracy at least 120 academic credits for the entire period of study, including all types of educational and scientific activities of the undergraduate (for higher education institutions at least 120 credits);
- 2) in a specialized master's program at least 60 academic credits (for higher education institutions with a term of study of 1 year, at least 60 credits, with a term of study of 1.5 years, at least 90 credits and no more than 110 credits).

**Footnote. Item 58 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

#### **Chapter 4. Requirements for the level of undergraduate training**

59. The requirements for the level of preparation of a master's student are determined on the basis of the Dublin descriptors of the second level of higher education (master's) and reflect the acquired competencies, expressed in the achieved learning outcomes.

Learning outcomes are formulated both at the level of the entire educational program of the master's program, and at the level of individual modules or academic discipline.

60. Descriptors reflect the learning outcomes that characterize the student's abilities:

- 1) demonstrate developing knowledge and understanding in the field of study, based on advanced knowledge of this field, in the development and (or) application of ideas in the context of the study;
- 2) apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context;
- 3) to collect and interpret information for the formation of judgments, taking into account social, ethical and scientific considerations;
- 4) clearly and unambiguously communicate information, ideas, conclusions, problems and solutions, both to specialists and non-specialists;
- 5) learning skills necessary for independent continuation of further education in the field of study.

61. Persons who have completed their studies in the educational program of the magistracy, OVPO, with the exception of the Academy of Justice, military, special educational institutions, educational organizations that implement educational programs of higher and (or) postgraduate education in the field of health, who have a license to engage in educational activities and have passed accreditation in accreditation bodies included in the register of recognized accreditation bodies, issues a certificate of education of its own sample with an application free of charge.

62. An OVPO or a scientific organization, upon request, additionally issues a pan-European Diploma Supplement (Diploma Supplement) to the graduate free of charge.

#### **Chapter 5**

63. The term of study in the magistracy is determined by the amount of mastered academic credits. Upon mastering the established amount of academic credits and achieving the expected learning outcomes for obtaining a master's degree, the master's educational program is considered to be fully mastered.

64. Training of personnel in the magistracy is carried out on the basis of educational programs in two areas:

- 1) scientific and pedagogical;
- 2) profile.

Annex	1
to	the state
obligatory	
postgraduate	standard
education	

**The structure of the educational program of the master's program in the scientific and pedagogical direction**

Footnote. Annex 1 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan No. 21 dated January 19, 2023 (shall be enforced ten calendar days after the day of its first official publication).

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	2640	88
1.1	Cycle of basic disciplines (DB)	1050	35
1)	University component (VC):	600	20
	including:		
	History and philosophy of science		
	Foreign language (professional)		
	Pedagogy of higher education		
	Psychology of management		
	Teaching practice		
2)	Component of choice (CV)	450	15
1.2	Cycle of major disciplines (PD)	1590	53
1)	University component and (or) elective component		
2)	Research practice		
2.	Research work of a master student	720	24
1)	Research work of a master student, including an internship and a master's thesis	720	24
3	Additional types of training (VET)		
4	Final certification (FA)	At least 240	At least 8
1)	Registration and defense of a master's thesis (OiZMD)	240	8
	Total	At least 3600	At least 120



**The structure of the educational program of the master's program in the scientific and pedagogical direction in higher education institutions**

No. p / p	Name of cycles of disciplines and activities	General labor intensity
		in academic credits, %
1	2	3
1.	Theoretical training	at least 74
1.1	Cycle of basic disciplines (DB)	at least 16%
1)	University component (VC):	
1.2	Cycle of major disciplines (PD)	at least 46%
1)	University component (VC)	
2	Research work	no more than 34
1)	Research work of a master student, including an internship and a master's thesis (NIRM)	
3	Additional types of training (VET)	
4	Final certification (FA)	no more than 12
1)	Comprehensive State Examination (CGE)	
2)	Registration and defense of a master's thesis (OiZMD)	
	Total	at least 120

Annex 3  
to the state  
obligatory  
postgraduate standard  
education

**The structure of the educational program of the master's program in the profile direction**

**Footnote. Annex 3 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023 No. 66 (shall be enforced ten calendar days after the day of its first official publication).**

No. p / p	Name of cycles of disciplines and activities	General 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	At least 1170	At least 39	1920	64
1.1	Cycle of basic	At least 300	Not less than	450	15

	disciplines (DB)		10		
1)	University component (VC)	180	6	180	6
	including:				
	Foreign language (professional)				
	Management				
	Psychology of management				
2)	Component of choice (CV)	At least 120	Not less than 4	270	9
1.2	Cycle of major disciplines (PD)	At least 870	Not less than 29	1470	49
1)	University component and (or) elective component				
2)	Internship				
2	Experimental research work of a master student (EIRM)	Not less than 390	At least 13	540	18
1)	Experimental research work of a master student, including an internship and a master's project	Not less than 390	At least 13	540	18
3	Additional types of training (VET)				
4	Final certification (FA)	At least 240	At least 8	At least 240	At least 8
1)	Registration and defense of the master's project (OiZMP)	At least 240	At least 8	At least 240	At least 8
	Total	At least 1800	At least 60	At least 2700	At least 90

Appendix 4  
to the state obligatory  
standard of postgraduate education

**The structure of the educational program of the master's program in the profile direction in higher education institutions**

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		with a typical study	with a typical study

		period of 1 year in academic credits, %	period of 1.5 years in academic credits, %
1	2	3	4
1.	Theoretical training	at least 35	at least 60
1.1	Cycle of basic disciplines (DB)	at least 12%	at least 15%
1)	University component (VC)		
1.2	Cycle of major disciplines (PD)	at least 47%	at least 50%
1)	University component (VC)		
2.	Experimental research	no more than 13	no more than 18
1)	Experimental research work of a master student, including the implementation of a master's project (EIRM)		
2)	Industrial practice (professional practice or military training)		
3)	Additional types of training (VET)		
4)	Final certification (FA)	no more than 12	no more than 12
1)	Comprehensive State Examination (CGE)		
2)	Registration and defense of a master's thesis (project) (OiZMD (P))		
	Total	at least 60	at least 90*

\* In a profile master's program with a study period of 1.5 years, the total labor intensity is no more than 110 credits.

Appendix 5  
to the state obligatory  
standard of postgraduate education

**The structure of the educational program of a pedagogical profile for persons who have graduated from a specialized master's program**

**Footnote. Appendix 5 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023 No. 66 (shall be enforced ten calendar days after the day of its first official publication).**

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	900	thirty
1.1	Cycle of basic disciplines (DB)	600	20
1)	University component (VC):		

	including:		
	History and philosophy of science		
	Pedagogy of higher education		
	Teaching practice		
2)	Component of choice (CV)		
1.2	Cycle of major disciplines (PD)	300	10
1)	University component (VC)		
2)	Component of choice (CV)		
	Total	At least 900	At least 30