On approval of state compulsory standards for 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 in the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916.

Note FROM!

For the procedure for entry into force, see paragraph 5.

In accordance with subparagraph 12) of paragraph 15 of the Regulation on the Ministry of Science and Higher Education of the Republic of Kazakhstan, approved by the Resolution of the Government of the Republic of Kazakhstan dated August 19, 2022 No. 580 "On certain issues of the Ministry of Science and Higher Education of the Republic of Kazakhstan", **I ORDER:**

Footnote. Preamble - as amended by Order No. 419 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated August 27, 2024 (shall enter into force ten calendar days after its first official publication).

1. Approve:

1) State compulsory standard of higher education in accordance with Appendix 1 to this order;

2) State compulsory standard of postgraduate education in accordance with Appendix 2 to this order.

2. To introduce the following amendments to the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 "On approval of state compulsory educational standards for all levels of education" (registered in the Register of state registration of regulatory legal acts of the Republic of Kazakhstan under No. 17669):

to declare subparagraphs 7) and 8) of paragraph 1 to be no longer in effect;

to declare appendices 7 and 8, approved by the said order, to be no longer in effect.

3. The Department of Higher and Postgraduate Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan, in accordance with the procedure established by the legislation of the Republic of Kazakhstan, shall ensure:

1) state registration of this order in the Ministry of Justice of the Republic of Kazakhstan;

2) posting this order on the Internet resource of the Ministry of Science and Higher Education of the Republic of Kazakhstan after its official publication;

3) within ten working days after the state registration of this order, submission to the Legal Department of the Ministry of Science and Higher Education of the Republic of

Kazakhstan of information on the implementation of the measures provided for in subparagraphs 1) and 2) of this paragraph.

4. Control over the implementation of this order shall be assigned to the supervising Vice Minister of Science and Higher Education of the Republic of Kazakhstan.

5. This order shall come into effect upon expiration of ten calendar days after the date of its first official publication.

Minister of Science and Higher Education

S. Nurbek

Republic of Kazakhstan

"AGREED"
Ministry of Agriculture
Republic of Kazakhstan
"AGREED"
Ministry of Health
Republic of Kazakhstan
"AGREED"
Ministry of Culture and Sports
Republic of Kazakhstan

Appendix 1
to the order of the Minister of Science
and Higher Education
of the Republic of Kazakhstan
dated July 20, 2022 No. 2

State Compulsory Standard of Higher Education

Footnote. Appendix 1 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Chapter 1. General Provisions

1. This state compulsory standard of higher education (hereinafter referred to as the SCSH) has been developed in accordance with subparagraph 12) of paragraph 15 of the Regulation on the Ministry of Science and Higher Education of the Republic of Kazakhstan, approved by Resolution of the Government of the Republic of Kazakhstan dated August 19, 2022 No. 580 "On certain issues of the Ministry of Science and Higher Education of the Republic of Kazakhstan" (hereinafter referred to as the Regulation).

The State Educational Standard defines the requirements for the content of education with a focus on learning outcomes, the maximum volume of students' academic workload, the level of students' preparation, and the duration of study in higher and/or postgraduate education institutions (hereinafter referred to as HPE), including military

special educational institutions (hereinafter referred to as VSEI), regardless of their form of ownership and departmental subordination.

Footnote. Clause 1 as amended by Order No. 200 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated April 22, 2025 (shall enter into force ten calendar days after the date of its first official publication).

2. The following terms and definitions are used in the State Educational Standard:

1) qualification characteristics in higher education institutions – knowledge, skills and abilities necessary for the effective implementation of professional activities in the field of defense of the Republic of Kazakhstan and the corresponding position;

2) professional competencies in higher education institutions – knowledge, skills and abilities necessary for the effective implementation of professional activities in the system of national security and law enforcement agencies in the relevant position;

3) bachelor's degree - higher education, the educational programs of which are aimed at training personnel with the award of a bachelor's degree in the relevant specialty;

4) knowledge profile of students – assessment of the academic achievements of students during the academic period of study;

5) descriptors (descriptors) – description of the level and volume of knowledge, skills, abilities and competencies acquired by students upon completion of the educational program of the corresponding level (stage) of higher and postgraduate education, based on the learning outcomes, developed competencies and academic credits;

6) diploma project - a student's final work, which is an independent solution to applied problems corresponding to the profile of the educational program, completed using project approaches and (or) in the form of preparing business projects, models, as well as creative projects and other projects;

6-1) diploma thesis – a final thesis that is a summary of the results of the student's independent study of a current problem corresponding to the profile of the educational program;

7) The European Credit Transfer and Accumulation System (ECTS) is a method of converting credits earned by students abroad into credits that count towards their degree upon returning to their home institution, as well as accumulating credits within educational programmes;

8) individual educational plan (hereinafter referred to as IEP) – a student's educational plan, 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;

9) higher specialized education (specialist) – a level of higher education aimed at training personnel with the assignment of a specialist qualification in the relevant educational program with the mandatory acquisition of at least 300 academic credits;

10) university component (hereinafter referred to as HC) - a list of academic disciplines and the corresponding minimum volumes of academic credits determined by the higher education institution independently for mastering the educational program;
11) Stackable degrees (stackable degree) – a set of skills and competencies from various fields or areas of professional activity, obtained through formal and informal education;
12) competencies – the ability to practically use the knowledge, skills and abilities acquired during the learning process in professional activities;
13) micro-qualification – the volume of knowledge, skills and competencies sufficient to perform one separate work function according to a professional standard (or within the framework of the relevant profession), obtained during a period of short-term training;
14) compulsory 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 according to the curriculum;
15) nano-credit – a unified unit of measurement for a small volume of educational material, which has an independent and complete character;
16) working curriculum (hereinafter referred to as WCS) – an educational document developed by the higher education institution independently on the basis of the educational program and individual curricula of students;
17) learning outcomes – the volume of knowledge, skills, and abilities acquired and demonstrated by the student in mastering the educational program, as confirmed by the assessment, and the values and attitudes formed;
18) elective component - a list of academic disciplines and the corresponding minimum volumes of academic credits offered by the OVPO, independently chosen by students in any academic period, taking into account their prerequisites and postrequisites;
in higher education institutions, the RUP is an educational document developed by the higher education institution independently based on the educational program and qualification requirements, characteristics;
19) standard curriculum (hereinafter referred to as SCP) – an educational document of a discipline of a compulsory component of an educational program, which determines the content, volume, and recommended literature in accordance with subparagraph 13) of paragraph 15 of the Regulation.
Footnote. Clause 2 – as amended by Order No. 225 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated May 4, 2026 (shall enter

into force ten calendar days after the date of its first official publication).

Chapter 2. Requirements for the content of higher education with a focus on learning outcomes

3. Higher education programs are developed taking into account learning outcomes, in the formulation of which the Higher Professional Education System is guided by the European Credit Transfer and Accumulation System (ECTS):

1) the learning outcomes adequately reflect the context, level, scope and content of the program;

2) the formulation of learning outcomes is concise and not too detailed;

3) learning outcomes are characterized by interrelationship;

4) the learning outcomes are clear and verified with the competencies acquired during the learning process;

5) the learning outcomes are achievable in accordance with the established volume of academic workload;

6) learning outcomes related to the relevant learning activities, methods and assessment criteria;

7) the number of learning outcomes recommended for mastery by students corresponds to the descriptors presented in paragraph 35 of this State Educational Standard.

3-1. The structure of the educational program of higher education consists of disciplines of three cycles - general education disciplines (hereinafter - GED), basic disciplines (hereinafter - BD) and major disciplines (hereinafter - MD) and is given in Appendices 1 and 2 to this State Educational Standard.

The cycle of educational activities includes disciplines of the compulsory component (hereinafter referred to as CC), the university component (hereinafter referred to as VC) and (or) the elective component (hereinafter referred to as EC).

The BD and PD cycles include the VK and KV disciplines.

In higher education institutions, the cycle of educational activities consists of disciplines of the compulsory and university components, the cycles of educational activities and preparatory work consist of disciplines of the university component, the structure of which is given in Appendix 3 to this State Educational Standard.

4. The OVPO does not reduce the number of compulsory course components in the list of the OOD cycle, the content of which is determined by the TUPR. Exceptions are shortened higher education programs with accelerated training based on technical and vocational, post-secondary, or higher education.

The content of the academic disciplines "History of Kazakhstan" and "Philosophy" of the OOD cycle is determined by the TUPr, with the exception of educational programs of the corresponding profile.

In order to improve the quality of professional training and take into account the specifics of the areas of personnel training, the OVPO independently makes changes to the content of the disciplines "Foreign Language", "Russian Language", "Information and Communication Technologies", "Physical Education", determined by the TUPr.
The OVPO independently makes changes of up to 50% in the content of the discipline "Kazakh language" and the module of socio-political knowledge, determined by the TUPr.
Branches of foreign higher education institutions and (or) foreign higher education institutions established on the territory of the Republic of Kazakhstan in accordance with paragraph 4 of Article 65 of the Law of the Republic of Kazakhstan "On Education" (hereinafter referred to as the Law), independently make changes to the content of the disciplines of the general education cycle, determined by the TUPr, and (or) replace the disciplines of the general education cycle, with the exception of the disciplines "History of Kazakhstan", "Kazakh language" and "Philosophy".
The OVPO recognizes previously acquired learning outcomes in the academic disciplines of the general education cycle for individuals enrolled in educational programs that provide shortened periods of study based on technical and vocational, post-secondary, or higher education. Students enrolled in shortened educational programs based on technical and vocational, and post-secondary education study the subject "History of Kazakhstan."
In higher education institutions, the content of academic disciplines of the OOD cycle is determined by the higher education institutions themselves.
5. The VK and KV are determined by the OVPO independently and take into account the needs of the labor market, the expectations of employers and the individual interests of the student.
In higher education institutions, the university component takes into account the specific requirements of the higher education institution for qualification characteristics, qualification requirements, and established scientific schools in a particular higher education institution.
6. The overall educational program consists of 56 academic credits. Of these, 51 academic credits are allocated to the following compulsory subjects: History of Kazakhstan, Philosophy, Kazakh (Russian) Language, Foreign Language, Information and Communication Technologies, Physical Education, and the Socio-Political Knowledge Module (political science, sociology, cultural studies, psychology).

At the same time, students of higher education institutions of all educational programs and (or) areas of training at the bachelor's level in the discipline "History of Kazakhstan" take a state exam upon its completion in the same academic period.
Disciplines of the compulsory component of the OOD cycle:
Note FROM!
Subparagraph 1) is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

1) aimed at forming the ideological, civic and moral positions of the future specialist, competitive on the basis of knowledge of information and communication technologies, development of communication programs in Kazakh, Russian and foreign languages, orientation towards a healthy lifestyle, self-improvement and professional success;
2) form a system of key competencies that ensure the socio-cultural development of the personality of a future specialist based on the formation of his ideological, civic and moral positions;
3) develop the ability to interpersonal, social and professional communication in Kazakh, Russian and foreign languages;
Note FROM!
Subparagraph 4) is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

4) promote the development of digital literacy through the mastery and use of modern information and communication technologies in all areas of their lives and activities;
5) develop skills for self-development and education throughout life;
6) develop a personality capable of mobility in the modern world, critical thinking and physical self-improvement.
During the period of passing the state control of the OVPO, students confirm the achieved learning results in the disciplines of the compulsory component of the OOD cycle based on the results of the assessment of students' knowledge.
7. Upon completion of the study of the compulsory disciplines of the OOD cycle, the student:
1) evaluates the surrounding reality on the basis of ideological positions formed by knowledge of the fundamentals of philosophy, which ensure scientific understanding and study of the natural and social world using methods of scientific and philosophical knowledge;

2) interprets the content and specific features of the mythological, religious and scientific worldview;
3) argues his own assessment of everything that is happening in the social and industrial spheres;
4) demonstrates a civic position based on a deep understanding and scientific analysis of the main stages, patterns and uniqueness of the historical development of Kazakhstan;
5) uses methods and techniques of historical description to analyze the causes and consequences of events in the history of Kazakhstan;
6) evaluates situations in various areas of interpersonal, social and professional communication, taking into account basic knowledge of sociology, political science, cultural studies and psychology;
7) synthesizes knowledge of these sciences as a modern product of integrative processes;
8) uses scientific methods and techniques for researching a specific science, as well as the entire socio-political cluster;
9) develops his own moral and civic position;
10) operates with social, business, cultural, legal and ethical norms of Kazakhstani society;
11) demonstrates personal and professional competitiveness;
12) applies in practice knowledge in the field of social sciences and humanities, which has worldwide recognition;
13) selects the methodology and analysis;
14) summarizes the results of the research;
15) synthesizes new knowledge and presents it in the form of humanitarian socially significant products;
16) communicates orally and in writing in Kazakh, Russian and foreign languages to solve problems of interpersonal, intercultural and industrial (professional) communication;
17) implements the use of linguistic and speech means based on the system of grammatical knowledge; analyzes information in accordance with the communication situation;
18) evaluates the actions and deeds of communication participants;
Note FROM!
Subparagraph 19) is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

19) uses various types of information and communication technologies in personal activities: Internet resources, cloud and mobile services for searching, storing, processing, protecting and distributing information;
20) builds a personal educational trajectory throughout life for self-development and career growth, focusing on a healthy lifestyle to ensure full social and professional activity through the methods and means of physical education;
21) knows and understands the basic laws of the history of Kazakhstan, the foundations of philosophical, socio-political, economic and legal knowledge, communication in oral and written forms in Kazakh, Russian and foreign languages;
22) applies acquired knowledge for effective socialization and adaptation in changing socio-cultural conditions;
23) has the skills of quantitative and qualitative analysis of social phenomena, processes and problems.
8. The VK and (or) KV disciplines of the OOD cycle constitute 5 academic credits.
9. OVPO develops interdisciplinary curricula in the disciplines of the OOD cycle and aimed at developing students' competencies in the field of economics and law, entrepreneurship and financial literacy.
10. For higher education institutions, the coursework consists of 56 academic credits. Of these, 51 academic credits are allocated to the following compulsory subjects: History of Kazakhstan, Philosophy, Kazakh (Russian) Language, Foreign Language, Information and Communication Technologies, Physical Fitness, and the Socio-Political Knowledge Module (sociology, political science, cultural studies, psychology).
In higher education institutions, the disciplines of the VK cycle of the OOD constitute 5 academic credits.
11. The cycle of BD and PD includes the study of academic disciplines, types of professional practices and amounts to at least 176 academic credits.
For higher education institutions, the BD and PD cycles include the study of academic disciplines, all types of practical training and amount to at least 178 academic credits.
In higher education institutions, types of internships are determined in accordance with subparagraph 11) of Article 5-1 of the Law.
12. When forming an individual curriculum within the framework of the university component and/or the elective component, the student selects disciplines from the main educational program (Major) and/or from the additional educational program (Minor).
13. The final certification is worth at least 8 academic credits in the total volume of the higher education educational program.

The OVPO independently determines the form and procedure for conducting final certification.

14. In higher education institutions, final certification constitutes at least 6 academic credits in the total volume of the higher education educational program.

The forms of final assessment are determined by the Rules for ongoing monitoring of academic performance, midterm and final assessment of students, approved by state bodies under whose jurisdiction are higher educational institutions.

15. The purpose of final certification is to assess the learning outcomes achieved upon completion of the higher education program.

16. OVPO and higher education institutions independently determine additional types of training.

17. Military training is provided within the framework of the state educational order or on a paid basis within the framework of additional types of training.

The acquisition of other types of additional education is provided on a fee-paying basis, with the exception of higher education institutions.

18. Higher education institutions implementing trilingual education programs plan and organize educational activities in three languages: the language of instruction, the second language, and English.

The OVPO independently determines the percentage of disciplines taught in the language of instruction, the second language, and English.

Higher education institutions implementing trilingual education programs provide instruction in three languages: Kazakh, Russian, and English. Higher education institutions implementing bilingual education programs provide instruction in two languages: Kazakh and Russian. The percentage of courses taught in each language is determined by the higher education institution.

19. Higher professional education institutions implementing elements of the dual education system plan and organize educational activities based on a combination of theoretical training with practical on-the-job training in accordance with the Rules for organizing dual training in higher and (or) postgraduate education organizations, approved by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 27, 2023 No. 361 (registered in the Register of state registration of regulatory legal acts under No. 33206).

20. OVPO independently develop higher education programs in accordance with the requirements of the State Educational Standards and professional standards (if any), aimed at developing the values of inclusion, sustainable development, an anti-corruption culture, as well as the development of scientific research skills, ensuring life safety and the environment.

Educational programs in pedagogical fields include disciplines (modules) aimed at developing competencies in providing support and comprehensive support to children (individuals) with special educational needs and disabilities.
OVPO develops and implements educational programs aimed at mastering competencies in the application of artificial intelligence.
The development of educational programs at the OVPO is carried out by academic committees created by the order of the head of the OVPO, which include representatives of academic staff, employers, and students.
Based on educational programs, curricula are formed (individual curricula for students, working curricula) and working curricula for academic disciplines (syllabuses) are developed.
Students independently develop an individual curriculum aimed at achieving learning outcomes under the educational program, with the exception of disciplines in the OOD cycle.
Higher education programs are developed by the Higher Professional Education Institutions (HPE) based on the principle of modular learning. Higher professional education institutions (HPUs) determine their own program development principles.
Footnote. Clause 20 – as amended by Order No. 225 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated May 4, 2026 (shall enter into force ten calendar days after the date of its first official publication).

21. The training of personnel with higher education is carried out on the basis of general educational curricula for general secondary education, technical and vocational education, post-secondary education, as well as higher education - upon obtaining a second higher education.
When applying for admission on the basis of educational programs of technical and vocational education, post-secondary education, as well as higher education, and if the profile and/or relationship of the educational program of higher education coincides with the educational program of higher education, technical and vocational education, or post-secondary education, the learning outcomes of the previous level of formal education are recognized automatically, the number of academic credits earned and the duration of study are reduced.
If the learning outcomes correspond to the prerequisites, individual disciplines from the previous level of formal education, as well as the learning outcomes from non-formal education of the corresponding level, are re-credited.
22. The OVPO independently recognizes the learning outcomes of non-formal education, including micro-qualifications, nano-credits and stackable degrees (stackable degrees).

22-1. The learning outcomes of educational programs and disciplines of a completed nature are recognized through their certification in accordance with the Law of the Republic of Kazakhstan "On Professional Qualifications."

23. The OVPO carries out planning of the educational content, the method of organizing and conducting the educational process based on the credit technology of education.

24. The profile of the educational program of higher education, representing its specific features, indicates affiliation with the relevant field of education, characteristics of the field of study, levels of training, learning outcomes, main types of professional activity and is determined in accordance with the Classifier of areas of training of personnel with higher and postgraduate education, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 (registered in the Register of state registration of regulatory legal acts under No. 17565), in the following areas:

1) "Pedagogical Sciences" – higher pedagogical education;

2) "Arts and Humanities" – higher education in art history or higher education in the humanities;

3) "Social Sciences, Journalism and Information" – higher education in the field of social sciences or higher education in the field of PR;

4) "Business, Management and Law" – higher economic education or higher legal education;

5) "Natural sciences, mathematics and statistics" – higher education in natural sciences or higher education in mathematics;

6) "Information and Communication Technologies" – higher education in the field of ICT;

7) "Engineering, manufacturing and construction industries" – higher engineering education;

8) "Agriculture and Bioresources" - higher agricultural education;

9) "Veterinary science" – higher veterinary education;

10) "Healthcare" – higher medical education;

11) "Services" – higher education in the field of services;

12) "National Security and Military Affairs" – higher education in the field of national security and military affairs.

The names of the degrees awarded by fields and levels of education are determined in accordance with Appendix 4 to this State Educational Standard.

Chapter 3. Requirements for the maximum volume of students' academic workload

25. The academic workload is measured by the time required by a student to study an academic discipline, module or the entire higher education programme and necessary to achieve its learning outcomes.
26. The academic workload includes all of the student's academic activities – lectures, seminars, coursework (projects), practical and laboratory work, studio classes, internships (in dual education), professional internship, thesis (project), independent work, including under the supervision of a teacher.
27. When determining a student's academic workload, it is necessary to take into account that the academic year consists of academic periods, the forms of which (semester – at least 15 weeks, trimester – at least 10 weeks, quarter – at least 7-8 weeks) are determined by the OVPO independently, periods of midterm assessment, practical training, holidays, and the period of final assessment (in the final year).
In higher education institutions, when determining a student's academic workload, they proceed from the duration of the academic period, which the higher education institution determines independently.
The use of combined forms of organizing academic periods is permitted.
28. The total academic workload of one academic year is at least 60 academic credits or 1800 academic hours.
OVPO and higher education institutions independently distribute the volume of academic credits by semesters (trimesters, quarters).
29. One academic credit is equal to 30 academic hours.
30. The academic workload specified in paragraphs 27 and 28 of this State Educational Standard represents a typical academic workload. Students earn a smaller or larger number of academic credits per semester. For certain categories of students, depending on the format and technology of instruction, the actual time to achieve learning outcomes may vary and is calculated by the OVPO independently.
31. The main criterion for completion of training in the programs is the student's acquisition of at least 240 academic credits over the entire period of training, including all types of educational activities of the student.
The main criterion for completion of higher education programs focused on vocational education, in accordance with the specifics of training personnel in the field of "Veterinary Science", educational programs in the field of architecture and design, nuclear physics, as well as training of teachers in two related school subjects, is the mastery of at least 300 academic credits by the student.
32. The number of academic credits and the required volume of the higher education educational program for students admitted on the basis of a technical and vocational education program or a post-secondary education program, or a higher education

program, for training in educational programs with reduced terms of study of higher education or on the basis of a general secondary education program, is determined by the OVPO independently, taking into account the recognition of previously achieved learning outcomes of formal and non-formal education in accordance with the Rules for the recognition of learning outcomes obtained through non-formal education, as well as the results of recognition of professional qualifications, approved by the joint order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated October 24, 2023 No. 544 and the Minister of Education of the Republic of Kazakhstan dated October 24, 2023 No. 322 (registered in the Register of state registration of regulatory legal acts under No. 33580).

33. The higher education institution carries out educational activities in accordance with the license received and, throughout the entire period of its validity, complies with the qualification requirements imposed on the educational activities of organizations providing higher and (or) postgraduate education, and the 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 (registered in the Register of State Registration of Regulatory Legal Acts under No. 33892).

Chapter 4. Requirements for the level of preparation of students

34. Requirements for the level of preparation of students are determined on the basis of the Dublin descriptors for the first level of higher education (bachelor's degree) and reflect the acquired competencies expressed in the achieved learning outcomes.

Learning outcomes are formed both at the level of the entire higher education program and at the level of individual modules or academic disciplines.

35. Descriptors reflect learning outcomes that characterize students' abilities:

1) demonstrate knowledge and understanding in the area of study based on advanced knowledge in the area of study;

2) apply knowledge and understanding at a professional level, formulate arguments and solve problems in the area of study;

3) collect and interpret information to form judgments taking into account social, ethical and scientific considerations;

4) apply theoretical and practical knowledge to solve educational, practical and professional problems in the field of study;

5) learning skills necessary for independent continuation of further education in the studied area;

6) know the methods of scientific research and academic writing and apply them in the field of study;

7) apply knowledge and understanding of facts, phenomena, theories and complex relationships between them in the area of study;
8) understand the importance of the principles and culture of academic honesty.
The assessment of learning outcomes in higher education institutions is carried out by assessing the knowledge of students during state control.
36. Persons who have completed training in a higher education program, OVPO, with the exception of the Academy of Justice, military, special educational institutions, educational organizations implementing educational programs of higher and (or) postgraduate education in the field of health care, who have a license to engage in educational activities and have been accredited by accreditation bodies included in the register of recognized accreditation bodies, are issued a document on education of their own sample with an appendix and (or) the common European supplement to the diploma (Diploma Supplement) free of charge.

Chapter 5. Requirements for the duration of study

37. The duration of study in a bachelor's degree is determined by the number of academic credits earned. Upon completion of the required number of academic credits and achievement of the expected learning outcomes for a bachelor's degree, the higher education program is considered fully completed.

Appendix 1
to the state
compulsory standard
of higher education

The structure of the educational program of higher education

No.	Name of cycles and disciplines	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1	General Education Disciplines (GED) Cycle	1680	56
1)	Required component	1530	51
	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 elective component	150	5
2	A cycle of basic and core disciplines	at least 5280	at least 176

	(BD, PD)		
1)	University component and/or elective component		
2)	Professional practice		
3	Additional types of education (ATE)		
1)	Component of choice		
4	Final certification	at least 240	at least 8
	Total	at least 7200	at least 240

Appendix 2
to the state
compulsory standard
of higher education

The structure of the educational program of higher education

No.	Name of cycles and disciplines	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1	General Education Disciplines (GED) Cycle	1680	56
1)	Required component	1530	51
	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 elective component	150	5
2	A cycle of basic and core disciplines (BD, PD)	at least 7080	at least 236
1)	University component and/or elective component		
2)	Professional practice		
3	Additional types of education (ATE)		
1)	Component of choice		

4	Final certification	at least 240	at least 8
	Total	at least 9000	at least 300

Appendix 3
to the state
compulsory standard
of higher education

The structure of the educational program of higher education in higher educational institutions

No.	Name of cycles and disciplines	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1	General Education Disciplines (GED) Cycle	1680	56
1)	Required component	1530	51
	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 fitness	240	8
2)	University component	150	5
2	A cycle of basic and core disciplines (BD, PD)	at least 5340	at least 178
1)	University component		
3	Additional types of education (ATE)		
4	Final certification	at least 180	at least 6
	Total	at least 7200	at least 240

Appendix 4
to the state
compulsory standard
of higher education

Names of awarded degrees according to fields and levels of education

Item No.	Name of the field of education	Degree awarded for bachelor's degree programs	Awarded degree in master's degree programs (scientific and pedagogical areas/specialized)	The degre doctoral p of Philosc of Science
1.	Pedagogical Sciences	Bachelor of Education in the	Master of Pedagogical	Doctor

		educational program "code and name of the educational program"	Sciences/Master of Education in the educational program "code and name of the educational program"	(PhD)/Doc the edu "code an educationa
2.	Arts and Humanities	1. Bachelor of Arts in the educational program "code and name of the educational program" / Design Specialist in the educational program "code and name of the educational program"; 2. Bachelor of Humanities in the educational program "code and name of the educational program"; 3. Bachelor of Linguistics in the educational program "code and name of the educational program".	1. Master of Arts/Master of Arts in the educational program "code and name of the educational program" 2. Master of Arts/Master of Humanities in the educational program "code and name of the educational program" 3. Master of Philological Sciences/Master of Linguistics in the educational program "code and name of the educational program"	1. Docto (PhD)/Doc educationa and name program" 2. Docto (PhD)/ in program " the educati 3. Docto (PhD)/ in program " the educati
3.	Social Sciences, Journalism and Information	Bachelor of Social Sciences in the educational program "Code and Name of the Educational Program"	Master of Social Sciences/Master of Social Knowledge in the educational program "code and name of the educational program"	Doctor (PhD)/in program " the educati
4.	Business, Management and Law	1. Bachelor of Economics, or Bachelor of Business and Management in the educational program "code and name of the educational program" 2. Bachelor of Laws in the educational program "code and name of the educational program"	1. Master of Economics/Master of Business and Management, or MBA in the educational program "code and name of the educational program" 2. Master of Laws/Master of Laws in the educational program "code and name of the educational program"	1. Docto (PhD)/Doc in the ed "code an educationa DBA in program " the educati 2. Docto (PhD)/Doc educationa and name program"
5.	Natural sciences, mathematics and statistics	Bachelor of Science in the educational program "code and name of the educational program" / Nuclear Physics Specialist in the educational program "code and name of the educational program"	Master of Science/Master of Science in the educational program "code and name of the educational program"	Doctor of Doctor of Industry) program " the educati
6.	Information and communication technologies	Bachelor's degree in Information and Communications Technology (code and name of educational program)	Master of Engineering/Master of Engineering and Technology in the educational program "code and name of the educational program"	Doctor of Doctor of Industry) program " the educati

7.	Engineering, manufacturing and construction industries	Bachelor of Engineering and Technology in the educational program "code and name of the educational program" / Specialist in Architecture in the educational program "code and name of the educational program"	Master of Engineering/Master of Engineering and Technology in the educational program "code and name of the educational program"	Doctor of Doctor of Industry) program " the educati
8.	Agriculture and bioresources	Bachelor of Agriculture in the educational program "code and name of the educational program"	Master of Agricultural Sciences/Master of Agriculture in the educational program "code and name of the educational program"	Doctor (PhD)/in program " the educati
9.	Veterinary science	Veterinary specialist in the educational program "code and name of the educational program"	Master of Veterinary Science/Master of Veterinary Medicine in the educational program "code and name of the educational program"	Doctor (PhD)/in program " the educati
10	Healthcare	Bachelor of Health in the educational program "code and name of the educational program"	Master of Medical Sciences/Master of Health in the educational program "code and name of the educational program"	Doctor (PhD)/Doc (MD) in program " the educati
11.	Services	Bachelor of Arts in Educational Services (code and name of educational program)	Master of Science/Master of Science in Educational Services (code and name of educational program)	Doctor (PhD)/in program " the educati
12.	National security and military affairs	Bachelor of National Security and Military Affairs in the educational program "Code and Name of the Educational Program"	Master of National Security and Military Affairs in the educational program "Code and Name of the Educational Program"	Doctor (PhD)/Doc Security a (Doctor of educationa and Name Program"

Appendix 2 to the order
of the Minister of Science and Higher
Education of the Republic of Kazakhstan
dated "__"_____ No.

State Compulsory Standard of Postgraduate Education

Chapter 1. General Provisions

1. This state compulsory standard of postgraduate education (hereinafter referred to as the SCSE) has been developed in accordance with subparagraph 12) of paragraph 15 of the Regulation on the Ministry of Science and Higher Education of the Republic of Kazakhstan, approved by Resolution of the Government of the Republic of Kazakhstan dated August 19, 2022 No. 580 "On certain issues of the Ministry of

Science and Higher Education of the Republic of Kazakhstan" (hereinafter referred to as the Regulation).

The State Educational Standard defines the requirements for the content of education with a focus on learning outcomes, the maximum volume of students' academic workload, the level of students' preparation, and the duration of study in higher and/or postgraduate education institutions (hereinafter referred to as HPE), including military special educational institutions (hereinafter referred to as VSEI), regardless of their form of ownership and departmental subordination.

In educational organizations under the President of the Republic of Kazakhstan and the Supreme Judicial Council of the Republic of Kazakhstan, the content of education and teaching technologies are determined independently in accordance with their special status, including for students studying under the state educational order.

Footnote. Clause 1 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

2. The State Educational Standard applies concepts in accordance with the Law. In addition, the following concepts are included:

1) qualification characteristics in higher education 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 education institutions – knowledge, skills and abilities necessary for the effective implementation of professional activities in the system of national security agencies, 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 law enforcement system in the relevant position;

4) a master's thesis in higher education institutions - a graduate student's final work, which is an independent scientific study containing theoretical and (or) practical developments of a current problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science;

5) RUPl in higher educational institutions is an educational document developed by an educational organization independently on the basis of an educational program or TUPl;

6) Doctor of Science in the field - a degree awarded to individuals who have completed a doctoral program in the relevant field of professional activity and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner established by the legislation of the Republic of Kazakhstan;
7) DBA program (hereinafter referred to as the DBA (DBA) program) – a postgraduate educational program based on project work and applied research in business administration and aimed at training management personnel;
8) doctoral student – a person studying for a doctorate;
9) doctoral studies – postgraduate education, the 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 the profile) with the mandatory completion of at least 180 academic credits;
10) doctoral dissertation - the scientific work of a doctoral candidate, which is an independent study in which theoretical principles are developed, the totality of which can be qualified as a new scientific achievement, or a scientific problem is solved, or scientifically substantiated technical, economic or technological solutions are presented;
11) descriptors (descriptors) – description of the level and volume of knowledge, skills, abilities and competencies acquired by students upon completion of the educational program of the corresponding level (stage) of higher and postgraduate education, based on the learning outcomes, developed competencies and academic credits;
12) scientific justification for 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 research, a review of the literature and the expected results of the research;
13) executive MBA (hereinafter referred to as EMBA (executive MBA)) – an MBA program aimed at training top managers, taking into account the specifics of the target audience;
14) individual educational plan (hereinafter referred to as IEP) – an educational plan of a 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;
15) university component (hereinafter referred to as VC) - a list of academic disciplines and the corresponding minimum volumes of academic credits determined by the higher education institution independently for mastering the educational program;

16) competencies – the ability to practically use the knowledge, skills and abilities acquired during the learning process in professional activities;
17) Master's degree - a degree awarded to individuals who have completed Master's degree programs;
18) Master's student – a person studying in a Master's program;
19) Master's degree - a level of postgraduate education aimed at training personnel with the award of a Master's degree in the relevant educational program with the mandatory completion of at least 60-120 academic credits;
20) master's thesis - the final work of a master's student in a scientific and pedagogical master's program, which is an independent scientific study containing theoretical and/or practical developments of a current problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science and technology;
21) master's project - the final work of a master's student in a specialized master's program, which is an independent study containing theoretical and (or) experimental results that make it possible to solve an applied problem of a relevant issue of the chosen educational program;
22) MBA program - a program for training management personnel who possess modern knowledge and skills in the field of business, are capable of managing processes and human resources, formulating a company strategy, being able to define strategic and operational objectives and achieve them using scientific tools;
23) compulsory 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 under the educational program;
24) working curriculum (hereinafter referred to as WCS) – an educational document developed by the higher education institution independently on the basis of the educational program and individual curricula of students;
25) elective component - a list of academic disciplines and the corresponding minimum volumes of academic credits offered by the OVPO, independently chosen by students in any academic period, taking into account their prerequisites and postrequisites;
26) Doctor of Philosophy (PhD) – a degree awarded to individuals who have completed a doctoral program in a scientific and pedagogical field and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner established by the legislation of the Republic of Kazakhstan;
27) Doctor of Business Administration - a degree awarded to individuals who have completed a DBA program;

28) Master of Business Administration – a degree awarded to individuals who have completed an MBA or EMBA program.

Footnote. Clause 2 – as amended by Order No. 225 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated May 4, 2026 (shall enter into force ten calendar days after the date of its first official publication).

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

Section 1. Master's degree

3. Training of personnel in the Master's program is carried out on the basis of educational programs in two areas:

1) scientific and pedagogical;

2) profile.

Footnote. Clause 3 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

3-1. The content of the Master's degree program consists of:

1) theoretical training, including the study of cycles of basic and specialized disciplines;

2) practical training of master's students: professional practice;

3) research work, including the completion of a master's thesis – for a scientific and pedagogical master's program, or experimental research work, including the completion of a master's project – for a specialized master's program.

For higher education institutions – completion of a master’s thesis or master’s project;

4) final certification.

Footnote. This paragraph has been supplemented with clause 3-1 in accordance with Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (effective ten calendar days after its first official publication).

4. The cycles of basic (hereinafter referred to as BD) and major (hereinafter referred to as MD) disciplines include disciplines of the university component (hereinafter referred to as VC) and the elective component (hereinafter referred to as EC).

In higher education institutions, the BD and PD cycles include the VK disciplines.

5. The list of disciplines for the Higher and Lower Qualifications (HQ) and Master's Degree (KV) is determined independently by the Higher Education Institution. The needs of the labor market and master's degree students are taken into account.

The VK cycle of the DB of educational programs of the master's degree in the scientific and pedagogical direction includes disciplines providing for the formation of competencies in the field of history and philosophy of science, proficiency in a professional foreign language, a psychological and pedagogical cycle, including methodology and methods of teaching and learning technology, for the specialized direction - disciplines providing for the formation of competencies in the field of proficiency in a professional foreign language, managerial competencies and leadership skills, with the exception of higher educational institutions.
OVPO develops interdisciplinary programs in the disciplines of the BC cycle of BD.
Footnote. Clause 5 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

6. In the Master's program in scientific and pedagogical studies, the BD cycle comprises 35 academic credits of the total Master's program. Of these, 20 academic credits are allocated to the VC.
In higher education institutions, in the master's degree program in scientific and pedagogical fields, the volume of databases is at least 16% of the total volume of the master's educational program.
7. In a Master's program in a specialized field, the BD course constitutes at least 10 academic credits within the overall Master's program. Of these, the VK courses constitute 6 academic credits.
In higher education institutions, in the master's program in the relevant field, the volume of the BD cycle is no less than 12% (with a 1-year study period) and no less than 15% (with a 1.5-year study period) of the total volume of the master's educational program.
Footnote. Clause 7 – as amended by Order No. 66 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023 (shall enter into force ten calendar days after its first official publication).

8. In the Master's degree program in scientific and pedagogical direction, the volume of the PD cycle is 53 academic credits in the total volume of the Master's degree educational program.
In higher education institutions, the volume of the cycle of core disciplines (CD) in the master's degree program in scientific and pedagogical fields is no less than 46% of the total volume of the master's degree program.
Footnote. Clause 8 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter

into force ten calendar days after its first official publication).

9. In the Master's program in the specialized field, the volume of the PD cycle is at least 29 academic credits in the total volume of the Master's educational program, which are distributed between the Higher and Lower Qualification Commissions (HQCs) independently by the Higher Professional Education Institution.
In higher education institutions, in the master's program in the specialized field, the volume of the cycle of specialized disciplines (SD) is at least 47% (with a period of study of 1 year) and at least 50% (with a period of study of 1.5 years) of the total volume of the educational program of the master's program.
Footnote. Clause 9 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter into force ten calendar days after its first official publication).

10. The programs of disciplines and modules, as a rule, have an interdisciplinary and multidisciplinary nature, ensuring the training of personnel at the intersection of a number of fields of knowledge.
11. The structure of the educational program for the Master's degree in the relevant areas is determined in accordance with Appendices 1, 2, 3 and 4 to this State Educational Standard.
12. The higher education institution carries out educational activities in accordance with the license received and, throughout the entire period of its validity, complies with the qualification requirements imposed on the educational activities of organizations providing higher and (or) postgraduate education, and the 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 (registered in the Register of State Registration of Regulatory Legal Acts under No. 33892).
Footnote. Clause 12 – as amended by Order No. 225 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated May 4, 2026 (shall enter into force ten calendar days after the date of its first official publication).

13. Planning of the educational content, the method of organizing and conducting the educational process is carried out by the higher education institution and the scientific organization independently on the basis of the credit technology of education.
14. The Master's degree program in scientific and pedagogical direction implements educational programs of postgraduate education for the training of scientific and

scientific-pedagogical personnel for higher education institutions and scientific organizations with in-depth scientific, pedagogical and research training.
In higher education institutions, scientific and pedagogical and specialized master's programs implement postgraduate educational programs for the training of management, scientific and pedagogical personnel with in-depth professional or scientific and pedagogical training.
15. The Master's program in the specialized field implements postgraduate educational programs for the training of management personnel for the sectors of economics, medicine, law, education, art, services and business, defense and national security, and law enforcement, with in-depth professional training.
In order to train specialists for the business environment, OVPO implements MBA programs.
16. Excluded by the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.03.2025 No. 90 (shall enter into force upon expiry of ten calendar days after the date of its first official publication).

17. The educational program of the scientific and pedagogical master's degree includes two types of practical training, which are carried out in parallel with theoretical training or in a separate period:
1) pedagogical in the BD cycle - in higher education institutions (in higher education institutions in the BD or DVO cycle);
2) research in the PD cycle - at the place where the dissertation is completed (in higher education institutions within the framework of research or the PD cycle).
Footnote. Clause 17 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

18. Teaching internships are conducted to develop practical skills in teaching and learning methods. Master's students are invited to teach undergraduate classes at the discretion of the Department of Higher Professional Education.
19. The Master's student's research internship is conducted with the aim of familiarizing themselves 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 degree includes industrial practice in the PD cycle, with the exception of higher educational institutions.
Industrial practice in the PD cycle is carried out with the aim of consolidating theoretical knowledge obtained during the training process, acquiring practical skills,

competencies and experience of professional activity in the studied educational program of the master's degree, 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 internship.
21. The content of research (industrial) practice is determined by the topic of the dissertation (project) research.
22. As part of the research (experimental research) work of a master's student (hereinafter referred to as R&D (ERW), the individual work plan of the master's student, in order to become familiar with innovative technologies and new types of production, provides for mandatory completion of a scientific internship in scientific organizations and (or) organizations in the relevant industries or fields of activity.
The location of the scientific internship corresponds to the scientific direction of the educational program and the topic of the research.
The duration of the internship is at least 14 calendar days.
The OVPO, together with the organization where the internship is taking place, approves the internship program and weekly plan.
NIRM (EIRM) is planned in parallel with other types of educational work or in a separate period.
In higher education institutions, research internships are carried out within the framework of research and development work; the procedure for completing the internship is determined in accordance with subparagraph 11) of Article 5-1 of the Law.
Footnote. Clause 22 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

23. The results of the research or experimental research work at the end of each period of their completion are presented by the master's student in the form of a report.
24. Requirements for the research work of a Master's student in a scientific and pedagogical Master's program:
1) corresponds to the profile of the master's degree program for which the master's dissertation is completed and defended;
2) is relevant and contains scientific novelty and practical significance;
3) is based on modern theoretical, methodological and technological achievements of science and practice;
4) is carried out using modern scientific research methods;
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 experimental research work of a master's student in a specialized master's program:
1) corresponds to the profile of the master's degree program in which the master's project is carried out and defended;
2) is based on modern achievements of science, technology and production and contains specific practical recommendations, independent solutions to management problems;
Note FROM!
Subparagraph 3) is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

3) is carried out using advanced information technologies;
4) contains experimental research (methodological, practical) sections on the main protected provisions.
26. Every year, at the end of the academic year, a master's student undergoes academic assessment to determine their individual work plan. The OVPO independently determines the procedure for conducting the master's student's academic assessment.
27. The final result of a master's student's research or experimental research work is a master's dissertation (project).
28. The main results of the master's thesis (project) are presented in at least one publication and (or) one presentation at a scientific and practical conference.
Footnote. Clause 28 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

29. The OVPO provides assistance to the master's student in publishing the research results.
30. Within two months of a master's student's enrollment, the head of the OVPO, based on the decision of the academic council, approves the topic of the master's thesis (project), and appoints a supervisor. Based on the results of the research and development (RIRM), the topic of the master's thesis (project) may be adjusted.
Footnote. Clause 30 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

31. The requirements for the content and design of the master's thesis (project), its 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), its preparation and defense are determined by the higher education institution independently or by the relevant authorized state body.
32. The master's thesis (project) must be checked for plagiarism, the rules and procedure for which are determined by the OVPO independently.
33. The defense of a master's thesis (project) includes the preparation of the master's thesis (project) and the defense procedure.
Footnote. Clause 33 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter into force ten calendar days after the date 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's student who has completed a specialized master's program carries out teaching activities after additional master's program in a pedagogical profile, with the exception of higher education institutions.
36. The content of the educational program of the pedagogical profile for persons who have completed a specialized master's degree program is established in accordance with Appendix 5 to this standard, with the exception of higher educational institutions.
37. A master's degree student in a specialized field who has completed a master's degree program in pedagogy is issued a corresponding certificate to the main diploma, with the exception of higher education institutions.
The form of the certificate of completion of the educational program for a master's degree in pedagogy is determined by the OVPO independently and is necessarily recognized by the OVPO, regardless of the form of ownership and departmental affiliation.
38. The final assessment constitutes at least 8 academic credits in the total volume of the educational program of the master's degree in scientific, pedagogical and specialized fields and is carried out in the form of the defense of the master's dissertation (project).
In higher education institutions, the volume of final certification is determined independently, does not exceed 12 credits, and can be redistributed by the higher education institution independently into cycles of disciplines and types of activities.
Footnote. Clause 38 – as amended by Order No. 66 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023 (shall enter

into force ten calendar days after the date of its first official publication).

39. The purpose of the final assessment is to evaluate the achieved learning outcomes and acquired competencies upon completion of the Master's degree 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).
The higher education institution, taking into account the level of theoretical training, academic achievements, learning outcomes, and research and analytical abilities of students, independently determines the forms of final certification for them.
In the absence of admission to the defense of a master's thesis (project), the procedure for the defense of a master's thesis (project) is determined by the higher educational institution independently.
40. A student in a master's program masters additional types of training independently on a fee-paying basis, with the exception of students at higher educational institutions.
41. Requirements for key and professional competencies of MBA (EMBA) graduates.
The competencies of an MBA (EMBA) program graduate are 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, principles of work in the conditions of the 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 business and generate solutions;
8) identify the influence of the external environment and take it into account when solving practical management problems;
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 company management problems;
11) consider the problems of doing business and managing it from the standpoint of competition in the international environment.
42. The MBA (EMBA) educational program contains:

1) disciplines for the formation of professional competencies and personal development, leadership qualities;
2) industrial practice (for individuals studying away from work);
3) completion of a master's thesis or project;
4) final certification.
43. MBA (EMBA) educational programs for the development of key and professional competencies consist of disciplines with compulsory and elective components.
The list of elective courses is determined in accordance with the area of training and specialization of the MBA (EMBA) program for a particular business sector.
44. The structure of the MBA and EMBA educational programs is established in accordance with Appendix 6 to this State Educational Standard.
45. The training of master's degree students within the framework of the MBA (EMBA) educational program is carried out in various areas, subject to the fulfillment of the requirements for the training of professional general managers, as well as under the corporate program.
46. Teaching in MBA (EMBA) programs is provided by faculty involved in business research and consulting, scientific activities, and also having management experience.
47. OVPO independently develop educational programs for postgraduate education in accordance with the requirements of the State 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.
The OVPO provides conditions for the implementation of the MBA (EMBA) program, using modern educational technologies and providing the necessary educational services.
Postgraduate education programs are developed based on the principle of modular training (in higher education institutions they are also developed based on other principles).
48. Master's degree training is based on higher education programs. Upon admission, if the profile of the master's degree program does not match the higher education program, prerequisites are assigned to the master's student.
The list of required prerequisites and the timeframe for their completion are determined by the OVPO independently. These prerequisites are acquired on a fee-paying basis.
As prerequisites, a master's student presents the learning outcomes of non-formal education of the appropriate level, the recognition of which is carried out by the OVPO in accordance with the Rules for the recognition of learning outcomes obtained through non-formal education, as well as the results of recognition of professional

qualifications, approved by the joint order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated October 24, 2023 No. 544 and the Minister of Education of the Republic of Kazakhstan dated October 24, 2023 No. 322 (registered in the Register of state registration of regulatory legal acts under No. 33580).

The learning outcomes of higher specialized education programs are equivalent to the learning outcomes of the corresponding master's degree programs in the relevant field.

For higher education institutions, the learning outcomes for higher specialized education programs are equivalent to the learning outcomes for the corresponding master's degree programs in the relevant field, provided that they have a degree from a specialized academy.

Footnote. Clause 48 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

49. Individuals who have completed the MBA/EMBA educational program and successfully passed the final assessment are awarded a Master of Business Administration degree and are issued a postgraduate diploma with a transcript free of charge.

Footnote. Clause 49 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Chapter 3. Requirements for the maximum volume of academic workload for a master's student

50. The academic workload is measured by the time required for a Master's student to study an academic discipline, module or the entire Master's degree programme and the time required to achieve its learning outcomes.

Footnote. Clause 50 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

51. The academic workload includes all of the master's student's academic activities - lectures, seminars, group classes, group exercises, practical classes, term papers (projects), practical and laboratory work, studio classes, internships, research work (experimental research work), completion of a master's dissertation (project), independent work, including under the supervision of a teacher.

Footnote. Clause 51 as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into

effect ten calendar days after its first official publication).

52. A master's student studies on the basis of an individual work plan, which is drawn up under the guidance of an academic supervisor.
53. The OVPO independently determines the structure of the individual work plan of the master's student.
At higher education institutions, an individual work plan for a master's student is drawn up for the entire period of study and includes the following sections:
1) scientific research, experimental research work (topic, direction of research, deadlines and reporting form);
2) practice (including pedagogical), military internship (program, base, terms and reporting form);
3) the topic of the master's thesis (master's project) with justification and structure;
4) plan for completing 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 academic workload of a master's student, 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 the final year).
The use of combined forms of organizing academic periods is permitted.
Footnote. Clause 54 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

55. The full academic workload of one academic year corresponds to at least 60 academic credits and corresponds to at least 1800 academic hours in one academic year.
Footnote. Clause 55 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

56. One academic credit corresponds to 30 academic hours.
57. The academic workload specified in paragraphs 54 and 55 of this State Educational Standard represents a typical academic workload. Master's students earn a smaller or larger number of academic credits per semester. For certain categories of master's students, depending on the format and technology of instruction, the actual

time to achieve learning outcomes varies and is calculated by the OVPO independently.

Footnote. Clause 57 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter into force ten calendar days after the date of its first official publication).

58. The main criterion for completion of training in Master's degree programs is the student's mastery of:

1) in a scientific and pedagogical master's program, at least 120 academic credits for the entire period of study, including all types of educational and scientific activities of the master's student (for higher educational institutions, at least 120 credits);

2) in a specialized master's program, at least 60 academic credits (for higher education institutions with a 1-year course of study, at least 60 credits; with a 1.5-year course of study, at least 90 credits and no more than 110 credits).

Footnote. Clause 58 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter into force ten calendar days after the date of its first official publication).

Chapter 4. Requirements for the level of preparation of a master's student

59. Requirements for the level of preparation of a Master's student are determined on the basis of the Dublin Descriptors for the second level of higher education (Master's degree) and reflect the acquired competencies expressed in the achieved learning outcomes.

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

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

1) demonstrate developing knowledge and understanding in the area of study, based on advanced knowledge in that area, in developing and/or applying ideas in the context of the research;

2) apply their knowledge, understanding and abilities at a professional level to solve problems in a new environment, in a broader interdisciplinary context;

3) collect and interpret information to form judgments taking into account social, ethical and scientific considerations;

4) communicate information, ideas, conclusions, problems and solutions clearly and unambiguously to both specialists and non-specialists;

5) learning skills necessary for independent continuation of further education in the studied area.

61. Persons who have completed training in a Master's degree program, higher professional education institutions, with the exception of the Academy of Justice, military, special educational institutions, educational organizations implementing educational programs of higher and (or) postgraduate education in the field of healthcare, who have a license to engage in educational activities and have been accredited by accreditation bodies included in the register of recognized accreditation bodies, are issued an educational document of their own sample with an appendix free of charge.

62. The OVPO or scientific organization, upon request, additionally issues the graduate a common European Diploma Supplement (Diploma Supplement) free of charge.

Chapter 5. Requirements for the duration of study in a Master's program

63. The duration of study in a master's program is determined by the number of academic credits earned. Upon completion of the required number of academic credits and achievement of the expected learning outcomes, the master's program is considered fully completed.

Footnote. Clause 63 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

64. Excluded by the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.03.2025 No. 90 (shall enter into force upon expiry of ten calendar days after the date of its first official publication).

Chapter 2. Requirements for the content of postgraduate education with a focus on learning outcomes

Paragraph 2. Doctoral studies

65. Theoretical training constitutes 45 academic credits in the total volume of the doctoral educational program and consists of cycles of basic (hereinafter BD) and specialized (hereinafter PD) disciplines, which include disciplines of the university component (hereinafter VC) and the elective component (hereinafter EC), as well as practical training. The ratio of the BD and PD volume is determined by the OVPO independently.

In higher education institutions, theoretical training constitutes at least 45 academic credits in the total volume of the doctoral educational program and includes BD and PD cycles, which consist of disciplines of the university component.

66. The list of disciplines for the VK and KV is determined independently by the OVPO. This takes into account the needs of the labor market, employer expectations, and the needs and interests of doctoral students.

In higher education institutions, the list of disciplines of the university component is determined by the higher education institution independently.
The programs of disciplines and modules, as a rule, have an interdisciplinary and multidisciplinary nature, ensuring the training of personnel at the intersection of a number of fields of knowledge.
67. The training of personnel in doctoral studies is carried out in two directions:
1) scientific and pedagogical (doctoral PhD) – based on the master's degree program;
2) specialized, including an industrial PhD program and a DBA program - based on a master's degree program or higher specialized education equivalent to a specialized master's degree.
At the same time, the industrial PhD program is implemented in such areas of education as "Engineering, manufacturing and construction industries", "Natural sciences, mathematics and statistics" (technical physics), "Information and communication technologies".
Upon admission, if the profile of the doctoral educational program does not match the master's program, the doctoral student is assigned prerequisites for mastering (prerequisites are not assigned in higher education institutions), which must cover the main learning outcomes of the profile of the program of the previous level of education.
The list and volume of necessary prerequisites and the timeframe for their development are determined by the OVPO independently.
When a master's degree student in a specialized field of study enters a PhD program, he/she is additionally required to have a pedagogical educational program as a prerequisite, with the exception of higher education institutions.
Prerequisites are acquired on a fee-paying basis, with the exception of higher education institutions.
As prerequisites, a doctoral candidate presents the results of non-formal education training at the appropriate level, the recognition of which is carried out by the OVPO in accordance with the established procedure.
Footnote. Clause 67 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

68. The educational program for training a Doctor of Philosophy (PhD) has a scientific and pedagogical focus and involves fundamental educational, methodological and research training and in-depth study of disciplines in the relevant areas of science for the system of higher and postgraduate education and the scientific sphere.

Note FROM!
Clause 69 is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

69. The educational program for training a doctor in the profile presupposes fundamental educational, methodological and research training, experimental research work in the relevant field of professional activity in the relevant areas of science for the branches of the national economy, social sphere: education, medicine, law, art, economics, business administration, engineering, natural science, information technology and in the field of national security and military affairs.
Footnote. Clause 69 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

70. Doctoral educational programs in terms of professional training are developed based on a study of the experience of foreign higher education institutions and research centers implementing accredited programs for training PhDs or doctors in the relevant field.
71. The internship is conducted with the aim of developing practical skills in scientific, scientific-pedagogical and professional activities.
The doctoral educational program includes:
1) teaching and research practice – for students in the PhD program;
2) industrial practice – for students in the specialized doctoral program.
During their teaching practice, doctoral students are involved in teaching classes at the undergraduate and graduate levels.
The doctoral student's research internship is conducted with the aim of studying the latest theoretical, methodological, and technological achievements of domestic and foreign science, as well as consolidating practical skills, applying modern scientific research methods, and processing and interpreting experimental data in dissertation research.
The doctoral student's industrial practice is carried out with the aim of consolidating the theoretical knowledge acquired during the training process and improving their professional level.
Doctoral student internships in the specialized doctoral program in the fields of "Engineering, Manufacturing, and Construction Industries," "Natural Sciences, Mathematics, and Statistics," and "Information and Communication Technologies" are conducted at a partner enterprise. The goal is to develop fundamental integrated

scientific knowledge and professional competencies in doctoral students, a strategic vision for industry development, the ability to create applied scientific innovations, and generate new engineering solutions.
The content of research and industrial practices is determined by the topic of the doctoral dissertation.
Footnote. Clause 71 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

72. The scientific component of the doctoral educational program is formed from the scientific research (hereinafter referred to as SRW) or experimental research work (hereinafter referred to as ERW) of the doctoral student, scientific publications, writing and defense of a doctoral dissertation.
The volume of research (experimental research) work of a doctoral student is 123 academic credits in the total volume of the doctoral educational program.
The OVPO independently determines the form, place and terms of organization of NIRD (EIRD).
In higher education institutions, the volume of research (experimental research) work of a doctoral student is no more than 123 academic credits.
Footnote. Clause 72 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

73. Within the framework of research and development (EIRD), the individual work plan of a doctoral student for familiarization with innovative technologies and new types of production provides for mandatory internships in scientific organizations and (or) organizations in relevant industries or fields of activity, including abroad.
The OVPO independently determines the location and duration of the doctoral student's internship, while the duration of the internship is at least 30 calendar days.
The content of the internship program corresponds to the profile of the doctoral student’s research.
The internship program is approved by the OVPO jointly with the organization where the internship is organized.
The internship is carried out by individuals who have preliminary research results and/or publications on the research topic.
The results of the internship are discussed at the scientific seminar of the OVPO.
In higher education institutions, the procedure for completing a scientific internship is determined in accordance with subparagraph 11) of Article 5-1 of the Law.

Footnote. Clause 73 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

74. Requirements for research and development work of a student in a PhD program:
1) compliance with the main issues of the doctoral educational program on which the doctoral dissertation is defended;
2) is relevant and contains scientific novelty and practical significance;
3) is based on modern theoretical, methodological and technological achievements of science and practice;
4) is based on modern methods of processing and interpreting data using computer technologies;
5) is carried out using modern scientific research methods;
6) contains research (methodological, practical) sections on the main protected provisions.
75. Requirements for the EIRD of a student in a doctoral program in the profile:
1) compliance with the main issues of the doctoral educational program on which the doctoral dissertation is defended;
2) is relevant and contains scientific novelty and practical significance;
3) is based on modern achievements of science, technology and production and contains specific practical recommendations, independent solutions to management problems of a complex, interfunctional nature;
Note FROM!
Subparagraph 4) is provided for in the wording of the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.05.2026 No. 225 (comes into force on 12.07.2026).

4) is carried out using advanced information technologies;
5) contains experimental research (methodological, practical) sections on the main protected provisions.
The EIRD for doctoral programs in the fields of education "Engineering, Manufacturing and Construction Industries", "Natural Sciences, Mathematics and Statistics", "Information and Communication Technologies" is carried out at a partner enterprise and is aimed at conducting applied research, developing a rationalization proposal in the form of a technical solution recognized in accordance with the Methodology for determining the levels of technology readiness and technological readiness of organizations, approved by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 10, 2025 No. 8

(registered in the Register of state registration of regulatory legal acts under No. 35634).

Footnote. Clause 75 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

76. Every year, at the end of the academic year, doctoral students undergo certification to assess their individual work plan. The certification procedure for doctoral students is determined by the OVPO independently.

Footnote. Clause 76 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

77. The doctoral dissertation is completed during the period of research and development (EIRD).

The final result of the research and development work (EIRD) is a doctoral dissertation.

78. To supervise the doctoral dissertation, the doctoral candidate is assigned a scientific supervisor within two months after enrollment.

Academic supervision is approved by order of the rector of the OVPO based on the decision of the academic council.

79. The scientific supervision of doctoral students for the degree of Doctor of Philosophy (PhD) is carried out by consultants in the amount of at least 2 people, one of whom is a scientist from a foreign higher education institution (with the exception of the group of training areas "National Security and Military Affairs").

The scientific supervision of doctoral students seeking a doctorate in a relevant field or DBA is carried out by consultants in the amount of at least two people, one of whom is a highly qualified specialist in the relevant field or area of activity.

Academic advisors ensure the completion of a doctoral dissertation and adherence to the principles of academic integrity, as well as the timely submission of the dissertation for defense.

Footnote. Clause 79 – as amended by Order No. 21 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 19, 2023 (shall enter into force ten calendar days after the date of its first official publication).

80. The topic of the doctoral dissertation is determined during the first semester and approved by the Academic Council. Based on the results of the research and development (ERD) and/or the obtained scientific (experimental) results or the re-

approval of the scientific justification for the dissertation research (research proposal), the topic of the doctoral dissertation may be adjusted.
When information for official use or materials containing state secrets or constituting a commercial secret are included in the content of a dissertation research, the topic and dissertation research are assigned the appropriate classification in accordance with the procedure established by law.
Footnote. Clause 80 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

81. The content of the dissertation research is aimed at the implementation of national priorities, fundamental or applied research.
Footnote. Clause 81 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

82. The main results of the doctoral student's scientific research are published in scientific, scientific-analytical and scientific-practical publications in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated March 31, 2011 No. 127 "On approval of the Rules for awarding degrees" (registered in the Register of state registration of regulatory legal acts under No. 6951).
83. The structure of the educational program for doctoral studies in the scientific and pedagogical field is given in accordance with Appendix 7 to this State Educational Standard.
The structure of the educational program for specialized doctoral studies is given in accordance with Appendix 10 to this State Educational Standard, for higher education institutions - in accordance with Appendix 11 to this State Educational Standard.
For higher education institutions, the structure of the doctoral educational program in the scientific and pedagogical field is given in accordance with Appendix 8 to this State Educational Standard.
Doctoral educational programs are structured according to the principle of modular learning.
Footnote. Clause 83 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

84. The final certification constitutes at least 12 academic credits in the total volume of the doctoral educational program and is carried out in the form of a dissertation or a series of articles, the requirements for which are provided for by the Rules for awarding degrees, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated March 31, 2011 No. 127 (registered in the Register of state registration of regulatory legal acts under No. 6951).
The doctoral dissertation is checked for the presence of borrowed text from other authors, which is carried out by the National Center for State Scientific and Technical Expertise.
85. The purpose of the final certification is to assess the scientific-theoretical and research-analytical level of the doctoral candidate, the developed professional and managerial competencies, the readiness to independently perform professional tasks and the compliance of his training with the requirements of the professional standard and the educational program of doctoral studies.
The purpose of the final assessment of educational programs for specialized doctoral studies in the fields of education "Engineering, Manufacturing and Construction Industries," "Natural Sciences, Mathematics and Statistics," and "Information and Communication Technologies" is to assess the doctoral student's contribution to the research and/or innovative development of a partner enterprise, the engineering and technical solution, and the level of development of professional and managerial competencies, readiness for the independent performance of professional tasks, and the compliance of his/her training with the requirements of the professional standard and the educational program of doctoral studies.
Footnote. Clause 85 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

86. Key and professional competencies of DBA graduates reflect learning outcomes that characterize the student’s abilities:
1) to master the methodology of a systems approach to organization, modern approaches to management and analytical methods of management, methods of diagnosis, analysis and problem solving, as well as methods of decision-making and their implementation in practice;
2) competently solve practical management problems and implement these solutions, be prepared to carry out management functions and be able to solve professional problems in the interests of the organization as a whole;
3) possess the knowledge, skills and abilities necessary to occupy the relevant management position and based on a deep understanding of the characteristics of the

market economy and its possibilities, the functions and economic role of the state, an understanding of environmental issues, an awareness of the social responsibility of business and a commitment to civilized ethical standards of its conduct:
4) be able to assess current problems and prospects for the socio-economic development of Kazakhstan, understand current trends in the development of the global economy and globalization, and navigate issues of international competition.
87. The DBA educational program includes:
1) theoretical training;
2) research work, including the completion of a doctoral dissertation;
3) final certification.
88. The content of the DBA educational program is developed taking into account the characteristics and principles of functioning of Kazakhstani business and management, the study of international business and foreign management experience.
The list of disciplines of the university component and the elective component is determined by the OVPO independently in accordance with the requests of employers and the labor market.
89. The structure of the DBA educational program is provided in accordance with Appendix 9 to this State Educational Standard.
90. The research component of the DBA educational program is formed from the applied and research work of the doctoral student, publications and writing of a doctoral dissertation.
91. The research results of a doctoral student in the DBA educational program are published in at least 7 (seven) scientific journals, including at least 3 (three) in scientific journals abroad and presented at international scientific conferences.
The results of the doctoral student's research are subject to public discussion.
Footnote. Clause 91 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

92. Scientific supervision of doctoral students in the DBA program is carried out by at least two consultants appointed from among doctors (candidates of science) with research (academic) experience or having a DBA degree with experience in management or consulting work.
93. Teaching in DBA programs is provided by faculty members who have an academic degree or a PhD/doctorate in the relevant field, or a DBA degree, or by individuals with experience in management or consulting work, possessing professional knowledge and skills in the field of study.

Footnote. Clause 93 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

94. The OVPO ensures the conditions for the implementation of the DBA program, using modern educational technologies and providing the necessary educational services.

95. Persons who have completed the DBA educational program and defended a doctoral dissertation are awarded the degree of Doctor of Business Administration (DBA) by decision of the OVPO certification committee.

Chapter 3. Requirements for the maximum volume of academic workload for a doctoral student

96. The study load is measured by the time required by a doctoral student to study an academic discipline, module or the entire doctoral educational programme and necessary to achieve its learning outcomes.

Footnote. Clause 96 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

97. The academic workload includes the doctoral student's academic activities, research work (experimental research work), writing and defense of a doctoral dissertation.

At the same time, students pursuing specialized doctoral programs in the fields of "Engineering, Manufacturing, and Construction Industries," "Natural Sciences, Mathematics, and Statistics," and "Information and Communication Technologies" combine work with training based on a tripartite agreement between the doctoral student, the OVPO, and the enterprise, within the framework of which the doctoral student solves real-life production problems in the production conditions of the partner enterprise.

Footnote. Clause 97 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

98. A doctoral student studies on the basis of an individual work plan, which is drawn up under the guidance of scientific advisers.

99. The OVPO independently determines the structure of the individual work plan of the doctoral student.

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

1) scientific research, experimental research work (topic, direction of research, deadlines and reporting form);
2) practice (including teaching), internship (program, base, terms and reporting form);
3) the topic of the doctoral dissertation with justification and structure;
4) plan for completing the doctoral dissertation;
5) plan of scientific publications, participation in scientific and practical (scientific and theoretical conferences).

100. When determining the academic workload of a doctoral student, 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 higher education institution or scientific organization, the period of final certification (in the final year).

The use of combined forms of organizing academic periods is permitted.

Footnote. Clause 100 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

101. The full academic load of one academic year corresponds to 60 academic credits and corresponds to 1800 academic hours in one academic year.

Footnote. Clause 101 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

102. One academic credit corresponds to 30 academic hours.

103. The academic workload specified in paragraphs 100 and 101 of this State Educational Standard represents a typical academic workload. A doctoral student may earn a smaller or larger number of academic credits per semester. For certain categories of doctoral students, depending on the format and technology of instruction, the actual time to achieve learning outcomes may vary and is calculated by the Department of Educational Standards independently.

104. The main criterion for completion of the educational process for training Doctors of Philosophy (PhD) (doctor in the profile) is the mastery by the doctoral student of at least 180 academic credits, including all types of educational and scientific activities.

Upon early completion of a doctoral educational program and successful defense of a dissertation, a doctoral student is awarded the degree of Doctor of Philosophy (PhD) or Doctor of Science in the relevant field, regardless of the length of study.

Chapter 4. Requirements for the level of preparation of a doctoral candidate

105. The requirements for the level of preparation of a doctoral candidate are determined on the basis of the Dublin descriptors for the third level of higher education (doctoral studies) and reflect the acquired competencies expressed in the achieved learning outcomes.

Learning outcomes are formulated both at the level of the entire doctoral educational program and at the level of individual modules or academic disciplines.

106. The third level descriptors within the Comprehensive Framework of Qualifications of the European Higher Education Area (QF-EHEA) reflect learning outcomes that characterise the learner's abilities:

1) demonstrate a systematic understanding of the field of study, mastery of the skills and research methods used in this field;

2) demonstrate the ability to think, design, implement and adapt a substantial research process with a scientific approach;

3) to contribute original research to the expansion of the boundaries of a scientific field that deserves publication at the national or international level;

4) critically analyze, evaluate and synthesize new and complex ideas;

5) communicate their knowledge and achievements to colleagues, the scientific community and the general public;

6) to promote the advancement in academic and professional contexts of technological, social or cultural development of society based on knowledge.

107. Persons who have mastered the doctoral educational program and defended a doctoral dissertation, subject to a positive decision of the dissertation councils of higher education institutions with special status or the Committee for Quality Assurance in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan based on the results of the examination, are awarded the degree of Doctor of Philosophy (PhD) or doctor in the profile and are issued a diploma in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated March 31, 2011 No. 127 "On approval of the Rules for awarding degrees" (registered in the Register of state registration of regulatory legal acts under No. 6951), and an appendix (transcript).

108. Persons who have received a PhD degree in the field of deepening scientific knowledge, solving scientific and applied problems on a specialized topic, complete a postdoctoral program or conduct scientific (experimental) research under the supervision of a leading scientist of the selected higher professional education institution or a highly qualified specialist in the relevant industry or field of activity.

Footnote. Clause 108 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025

(shall enter into force ten calendar days after the date of its first official publication).

109. A graduate of a specialized doctoral program may engage in research and teaching activities only after mastering a series of pedagogical disciplines and completing a teaching internship. This series is completed during an additional academic period (unless otherwise provided for by the doctoral program), upon completion of which the graduate is awarded a corresponding certificate in addition to their basic diploma.

110. A doctoral student who has completed the full course of theoretical training in the doctoral educational program, but has not completed the research and development work (EIRD), is given the opportunity to re-acquire the academic credits of the research and development work (EIRD) and defend a dissertation in subsequent years on a fee-paying basis.

A doctoral student who has completed the full course of theoretical training in the doctoral educational program, completed research and development (EIRD), but has not defended a doctoral dissertation, is awarded the results of his studies and academic credits and is given the opportunity to defend a dissertation within two years after graduation on a free basis, and in subsequent years on a paid basis in the amount of at least 4 academic credits.

Moreover, after 3 years from graduation, a doctoral student can defend his dissertation only after re-approval of the scientific justification of the dissertation research (research proposal) on a paid basis.

At a higher education institution, a doctoral student who has completed the full theoretical curriculum of a doctoral program but has not defended a doctoral dissertation is given the opportunity to defend a dissertation in subsequent years. The procedure for re-acquiring credits for the research component and defending a dissertation is determined by the higher education institution independently.

Chapter 5. Requirements for the duration of doctoral studies

111. The duration of doctoral studies is determined by the number of academic credits earned. Upon completion of the required number of academic credits and achievement of the expected learning outcomes for a PhD degree or related field, the doctoral program is considered fully completed.

Footnote. Clause 111 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (comes into effect ten calendar days after its first official publication).

112. The training of personnel in doctoral studies is carried out on the basis of master's degree programs in two areas:

1) scientific and pedagogical with a training period of at least three years;
2) specialized, including an industrial PhD program and a DBA program with a duration of study of at least three years.
Footnote. Clause 112 – as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).
113. Excluded by the order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 04.03.2025 No. 90 (shall enter into force upon expiry of ten calendar days after the date of its first official publication).

Appendix 1
to the state
compulsory standard
of postgraduate education

The structure of the educational program for a master's degree in scientific and pedagogical studies

Footnote. Appendix 1 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1.	Theoretical training	2640	88
1.1	Cycle of basic disciplines (BD)	1050	35
1)	University component (UC):	600	20
	including disciplines that provide for the development of competencies in the field of history and philosophy of science, proficiency in a professional foreign language, psychological and pedagogical cycle, including teaching methods and techniques, and learning technology		
	Teaching practice		
2)	Component of Choice (CV)	450	15
1.2	Cycle of core disciplines (CD)	1590	53
1)	University component and/or elective component		
2)	Research practice		
2.	Research work of a master's student	720	24
1)	Research work of a master's student, including an internship and the	720	24

	completion of a master's thesis		
3	Additional types of education (ATE)		
4	Final assessment (FA)	at least 240	at least 8
1)	Preparation and defense of a master's thesis (OiZMD)	240	8
	Total	at least 3600	at least 120

Appendix 2
to the state compulsory
standard of postgraduate education

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

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity in academic credits, %
1	2	3
1.	Theoretical training	at least 74
1.1	Cycle of basic disciplines (BD)	at least 16%
1)	University component (UC):	
1.2	Cycle of core disciplines (CD)	at least 46%
1)	University component (UC)	
2	Research work	no more than 34
1)	Research work of a master's student, including an internship and the completion of a master's thesis (NIRM)	
3	Additional types of education (ATE)	
4	Final assessment (FA)	no more than 12
1)	Comprehensive State Examination (CSE)	
2)	Preparation and defense of a master's thesis (OiZMD)	
	Total	at least 120

Appendix 3
to the state
compulsory standard
of postgraduate education

Structure of the Master's degree program in the relevant field

Footnote. Appendix 3 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity			
		with a typical training period of 1 year		with a typical training period o	
		in academic hours	in academic credits	in academic hours	in aca
1	2	3	4	5	6
1.	Theoretical training	at least 1170	at least 39	1920	64
1.1	Cycle of basic disciplines (BD)	at least 300	at least 10	450	15
1)	University component (UC)	180	6	180	6
	including disciplines that provide for the development of competencies in the field of proficiency in a professional foreign language, management competencies and leadership skills				
2)	Component of Choice (CV)	at least 120	at least 4	270	9
1.2	Cycle of core disciplines (CD)	at least 870	at least 29	1470	49
1)	University component and/or elective component				
2)	Industrial practice				
2	Experimental research work of a master's student (EIRM)	at least 390	at least 13	540	18
1)	Experimental research work of a master's student, including an internship and the completion of a master's project	at least 390	at least 13	540	18
3	Additional types of education (ATE)				
4	Final assessment (FA)	at least 240	at least 8	at least 240	at lea
1)	Preparation and defense of a master's thesis (OiZMP)	at least 240	at least 8	at least 240	at lea
	Total	at least 1800	at least 60	at least 2700	at lea

Appendix 4
to the state compulsory
standard of postgraduate education

The structure of the master's degree program in a specialized field at higher education institutions

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		with a typical training period of 1 year	with a typical trai years
		in academic credits, %	in academic credit
1	2	3	4
1.	Theoretical training	at least 35	at least 60
1.1	Cycle of basic disciplines (BD)	at least 12%	at least 15%
1)	University component (UC)		
1.2	Cycle of core disciplines (CD)	at least 47%	at least 50%
1)	University component (UC)		
2.	Experimental research	no more than 13	no more than 18
1)	Experimental research work of a master's student, including the implementation of a master's project (EIRM)		
2)	Industrial practice (professional practice or military internship)		
3)	Additional types of education (ATE)		
4)	Final assessment (FA)	no more than 12	no more than 12
1)	Comprehensive State Examination (CSE)		
2)	Preparation and defense of a master's thesis (project) (OiZMD(P)		
	Total	at least 60	not less than 90*

* In a specialized master's program with a duration of study of 1.5 years, the total workload is no more than 110 credits.

Appendix 5
to the state
compulsory standard
of postgraduate education

The structure of the educational program of the pedagogical profile for persons who have completed a specialized master's degree

Footnote. Appendix 5 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4

1.	Theoretical training	900	30
1.1	Cycle of basic disciplines (BD)	600	20
1)	University component (UC):		
	including disciplines that provide for the development of competencies in the field of history and philosophy of science, the psychological and pedagogical cycle, including teaching methods and techniques, and learning technology		
	Teaching practice		
2)	Component of Choice (CV)		
1.2	Cycle of core disciplines (CD)	300	10
1)	University component (UC)		
2)	Component of Choice (CV)		
	Total	at least 900	at least 30

Appendix 6
to the state
compulsory standard
of postgraduate education

Structure of the MBA and EMBA educational programs

Footnote. Appendix 6 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

No.	Names of blocks and disciplines	Total labor intensity			
		MBA		EMBA	
		in academic hours	in academic credits	in academic hours	in aca
1	A block of disciplines for the development of professional competencies	1740	58	600	20
1)	University component:	180	6	180	6
	Strategic management	90	3	90	3
	Business research	90	3	90	3
2)	Component of choice	1320	44	1320	14
	Including an on-site				

	module/internship				
3)	Industrial practice	at least 240	at least 8		
2	A block of disciplines on personal development and formation of leadership qualities	600	20	300	10
1)	University component				
2)	Component of choice				
3	Experimental research work, completion of a master's thesis/project	900	30	540	18
4	Final assessment (writing and defense of a master's thesis/project)	360	12	360	12
	Total	at least 3600	at least 120	at least 1800	at lea

Appendix 7
to the state compulsory
standard of postgraduate education

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

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1.	Theoretical training	1350	45
1.1	Cycle of basic disciplines (BD) 1) Academic writing 2) Methods of scientific research		
1)	University component and/or elective component		
2)	Teaching practice	Not less than 300	At least 10
1.2	Cycle of core disciplines (CD)		
1)	University component and/or elective component		
2)	Research practice	Not less than 300	At least 10
2	Doctoral research work (DRW)	3690	123
1)	Research work of a doctoral student, including an internship and the completion of a doctoral dissertation		
3	Additional types of education (ATE)		

4	Final assessment (FA)	360	12
1)	Writing and defending a doctoral dissertation	360	12
	Total	Not less than 5400	Not less than 180

Appendix 8
to the state compulsory
standard of postgraduate education

The structure of the doctoral educational program in scientific and pedagogical direction in higher educational institutions

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1.	Theoretical training	at least 1350	at least 45
1.1	Cycle of basic disciplines (BD)		
1)	University component		
2)	Teaching practice		
1.2	Cycle of core disciplines (CD)		
1)	University component		
2)	Research practice		
2.	Research work	no more than 3690	no more than 123
1)	Research work of a doctoral student, including an internship and the completion of a doctoral dissertation	720	24
3.	Additional types of education (ATE)		
4.	Final assessment (FA)	360	12
1)	Writing and defending a doctoral dissertation		
	Total	Not less than 5400	Not less than 180

Appendix 9
to the state compulsory
standard of postgraduate education

DBA Program Structure

No.	Names of blocks and disciplines	Volume in academic hours	Volume in academ
1	A block of disciplines for the development of professional	1290	43

	competencies		
1.1	University component:	150	5
	Methodology and research methods	150	5
1.2	Component of choice	300	10
1.3	Research practice	840	28
	Including Outreach Module/Internship Abroad		
2	A block of disciplines on personal development and formation of leadership qualities	300	10
	Component of choice	300	10
3	Research work, including completion of a doctoral dissertation	3450	115
4	Final assessment (writing and defense of a doctoral dissertation)	360	12
	Total	Not less than 5400	Not less than 180

Appendix 10
to the state compulsory
standard of postgraduate education

The structure of the doctoral educational program in the profile

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1.	Theoretical training	1350	45
1.1	Cycle of basic disciplines (BD) 1) Academic writing 2) Methods of scientific research		
1)	University component and/or elective component		
1.2	Cycle of core disciplines (CD)		
1)	University component and/or elective component		
2)	Industrial practice	Not less than 600	At least 20
2	Experimental research work of a doctoral student (ERW)	3690	123
1)	Experimental research work of a doctoral student, including an internship and the completion of a doctoral dissertation		
3	Additional types of education (ATE)		

4	Final assessment (FA)	360	12
1)	Writing and defending a doctoral dissertation	360	12
	Total	Not less than 5400	Not less than 180

Appendix 11
to the state
compulsory standard
of postgraduate education

The structure of the doctoral educational program in the profile in higher educational institutions

Footnote. Appendix 11 - as amended by Order No. 90 of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated March 4, 2025 (shall enter into force ten calendar days after the date of its first official publication).

Item No.	Name of the cycles of disciplines and types of activities	Total labor intensity	
		in academic hours	in academic credit
1	2	3	4
1	Theoretical training	at least 1350	at least 45
1.1	Cycle of basic disciplines (BD)		
1)	University component (UC):		
1.2	Cycle of core disciplines (CD)		
1)	University component (UC)		
2)	Industrial practice		
2	Experimental research work of a doctoral student (ERW)	no more than 3690	no more than 123
1)	Experimental research work of a doctoral student, including an internship and the completion of a doctoral dissertation		
3	Additional types of education (ATE)		
4	Final assessment (FA)	360	12
1)	Writing and defending a doctoral dissertation		
	Total	at least 5400	at least 180