



**On approval of state compulsory standards of higher and postgraduate education**  
Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No. 2. Registered with the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916.

**Note IZPI!**

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

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

1. Approve:

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

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

2. To introduce the following changes into 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 standards of education at all levels of education" (registered in the Register of State Registration of Normative Legal Acts of the Republic of Kazakhstan under No. 17669):

recognize as invalid subparagraphs 7) and 8) of paragraph 1;

recognize annexes 7 and 8, approved by the said order, as invalid.

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 with the Ministry of Justice of the Republic of Kazakhstan;

2) placement of 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. To impose control over the execution of this order on the supervising Vice Minister of Science and Higher Education of the Republic of Kazakhstan.

5. This order shall enter into force ten calendar days after the day of its first official publication.

*Minister of Science and Higher Education*

*S. Nurbek*

*Republic of Kazakhstan*

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

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

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

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

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

2) qualification requirements in higher educational institutions - knowledge, skills and abilities necessary for the effective implementation of professional activities in the system of national security bodies, law enforcement agencies and corresponding to a specific position;

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

4) master's thesis in higher education institutions - the final work of a master student, which is an independent scientific research containing theoretical and (or) practical

developments of an actual problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science;

5) RUPL in higher education institutions - an educational document developed by an educational organization independently on the basis of an educational program or TUPL.

6) doctor by profile - a degree awarded to persons who have mastered the doctoral program in the relevant field of professional activity and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner prescribed by the legislation of the Republic of Kazakhstan;

7) DBA program (hereinafter referred to as the DBA program (DCBA)) is an educational program of postgraduate education based on project work and applied research in business administration and aimed at training management personnel;

8) doctoral student - a person studying in doctoral studies;

9) doctoral studies - postgraduate education, educational programs of which are aimed at training personnel for scientific, pedagogical and (or) professional activities, with the award of the degree of Doctor of Philosophy (PhD) (doctor in profile) with the obligatory development of at least 180 academic credits;

10) doctoral dissertation - a scientific work of a doctoral student, which is an independent study, in which theoretical provisions are developed, the totality of which can be qualified as a new scientific achievement, or a scientific problem is solved, or scientifically based technical, economic or technological solutions are presented;

11) descriptors (descriptors (descriptor)) - a description of the level and scope of knowledge, skills, abilities and competencies acquired by students upon completion of the study of the educational program of the corresponding level (stage) of higher and postgraduate education, based on learning outcomes, formed competencies and academic credits;

12) executive MBA (hereinafter referred to as EMBA (executive MBA)) is an MBA program focused on training top managers, taking into account the specifics of the target audience;

13) individual curriculum (hereinafter - IEP) - the curriculum of the student, independently formed by him for each academic year with the help of an advisor based on the educational program and the catalog of elective disciplines;

14) university component (hereinafter - VC) - a list of academic disciplines and the corresponding minimum volumes of academic credits, determined independently by the OVPO for mastering the educational program;

- 15) competencies - the ability to practically use the knowledge, skills and abilities acquired in the process of training in professional activities;
- 16) master - a degree awarded to persons who have mastered the educational programs of the master's program;
- 17) undergraduate - a person studying in the magistracy;
- 18) magistracy - the level of postgraduate education aimed at training personnel with the award of a "master" degree in the relevant educational program with the obligatory development of at least 60-120 academic credits;
- 19) master's thesis - the graduate work of a master student of the scientific and pedagogical master's program, which is an independent scientific research containing theoretical and / or practical developments of an actual problem in the field of the chosen educational program, based on modern theoretical, methodological and technological achievements of science and technology;
- 20) master's project - the final work of a master's degree student of a specialized master's program, which is an independent study containing theoretical and (or) experimental results that allow solving an applied problem of an actual problem of the chosen educational program;
- 21) MBA program - a program for training management personnel with modern knowledge and skills in the field of business, able to manage processes and personnel assets, form the company's strategy, be able to determine strategic and operational objectives and achieve them using scientific tools;
- 22) a mandatory component - a list of academic disciplines and the corresponding minimum volumes of academic credits established by the State Educational Standard, and studied by students on a mandatory basis in the educational program;
- 23) working curriculum (hereinafter - RUPL) - an educational document developed by the OVPO independently on the basis of the educational program and individual curricula of students;
- 24) elective component - a list of academic disciplines and the corresponding minimum volumes of academic credits offered by the VPO, independently chosen by students in any academic period, taking into account their prerequisites and postrequisites;
- 25) Doctor of Philosophy (PhD) - a degree awarded to persons who have mastered the doctoral program in the scientific and pedagogical direction and defended a dissertation in the Republic of Kazakhstan or abroad, recognized in the manner prescribed by the legislation of the Republic of Kazakhstan;
- 26) Doctor of Business Administration - a degree awarded to persons who have mastered the DBA program;

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

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

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

### **Paragraph 2. Doctorate**

65. Theoretical training is 45 academic credits in the total amount of the doctoral educational program and consists of cycles of basic (hereinafter - DB) and major (hereinafter - PD) disciplines, which include disciplines of the university component (hereinafter - VC) and the elective component (hereinafter - KV), practice. In this case, the ratio of the volume of the DB and PD is determined by the OVPO independently.

In higher education institutions, theoretical training is 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 of the VK and KV is determined by the OVPO independently. This takes into account the needs of the labor market, the expectations of employers, the needs and interests of doctoral students.

In higher education institutions, the list of disciplines of the higher education component is determined by the higher education institution independently.

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

67. Training of personnel in PhD doctoral studies is carried out on the basis of master's degree programs, in specialized doctoral studies, including DBA programs - on the basis of a master's program, or higher specialized education equivalent to a specialized master's program. Upon admission and the profile of the doctoral educational program coincides with the master's program, the learning outcomes of the previous level of education are recognized automatically; if the profile of the doctoral educational program does not coincide with the master's program, prerequisites for mastering are set for the doctoral student (prerequisites are not established in higher educational institutions).

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

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

When a master of a profile direction enters a PhD doctoral program, he is additionally assigned as prerequisites an educational program of postgraduate education in a pedagogical profile of a scientific and pedagogical master's program, with the exception of higher education institutions.

68. The educational program for the preparation of 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 relevant areas of science for the system of higher and postgraduate education and the scientific field.

69. The educational program for the preparation of a doctor in the profile involves fundamental educational, methodological and research training and in-depth study of disciplines in relevant areas of science for the sectors of the national economy, social sphere: education, medicine, law, art, economics, business administration and in the field of national security and military affairs.

70. Educational doctoral programs in terms of professional training are developed on the basis of studying the experience of foreign educational institutions and research centers that implement accredited programs for the preparation of PhD doctors or doctors in their field.

71. Practice is carried out with the aim of developing practical skills in scientific, scientific-pedagogical and professional activities.

The educational program of doctoral studies includes:

- 1) teaching and research practice - for students in the Ph.D. program;
- 2) industrial practice - for students under the profile doctoral program.

During the period of teaching practice, doctoral students are involved in conducting classes in undergraduate and graduate programs.

The research practice of a doctoral candidate is carried out 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 methods of scientific research, processing and interpreting experimental data in a dissertation research.

The industrial practice of a doctoral student is carried out in order to consolidate the theoretical knowledge gained in the learning process and improve the professional level.

The content of research and production practices is determined by the topic of the doctoral dissertation.

72. The scientific component of the educational program of doctoral studies is formed from the research (hereinafter - NIRD) or experimental research work (hereinafter - EIRD) of a doctoral student, scientific publications, writing and defending a doctoral dissertation.

The volume of research (experimental research) work of a doctoral candidate is 123 academic credits in the total volume of the doctoral educational program.

In higher education institutions, the volume of research (experimental research) work of a doctoral student is no more than 123 academic credits.

73. Within the framework of research and development (EIRD), an individual work plan for a doctoral student to get acquainted with innovative technologies and new types of industries provides for mandatory internships in scientific organizations and (or) organizations of relevant industries or fields of activity, including abroad.

The place of the internship corresponds to the scientific direction of the educational program, the subject of the doctoral dissertation and the place of work of the foreign consultant.

The internship is carried out in leading foreign scientific organizations and OVPO, occupying the first 1000 positions in international rankings or the first 200 positions in the relevant direction (by Subject (by subject)). In the OVPO in the field of culture and art, internships are carried out in leading foreign scientific organizations and OVPO that are included in international ratings in the direction of "Art" and/or are members of international professional communities and associations.

OVPO independently determines the terms of a doctoral student's foreign internship, while the duration of the internship is at least 30 calendar days.

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

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

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

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

- English: Test of English as a Foreign Language Institutional Testing Programm (Test ov English as a Foreign Language Institutional Testing Programs) (TOEFL ITP (TOEFL AiTiPi), threshold score - at least 163 points,

- Test of English as a Foreign Language Institutional Testing Program (Test of English as a Foreign Language Institutional Testing Program) Internet-based Test (Internet Basic Test) (TOEFL IBT (TOEFL AIBiTi)), threshold score - at least 60,
- Test of English as a Foreign Language Paper-based testing (Test of English as a Foreign Language paper based testing) (TOEFL PBT (TOEFL PBT)), threshold score - at least 498,
- Test of English as a Foreign Language Paper-delivered testing (Test of English as a Foreign Language paper delivered testing) (TOEFL PDT (TOEFL PidiTi)), threshold score - at least 65,
- International English Language Tests System (International English Language Tests System) (IELTS (ILTS)) threshold score - not less than 6.0;
- and/or German: Deutsche Sprachprüfung fuer den Hochschulzugang (DSH, Niveau C1/level C1), TestDaF-Prüfung (testdaf-prüfung) (Niveau C1/level C1);
- and / or French: Test de Français International™ - Test de français International (TFI (TFI) - not lower than B1 level in the sections of reading and listening), Diplôme d'Études en Langue française - Diplôme d'Études en Langue française (DELTA (DELTA), level B2), Diplôme Approfondi de Langue française - Diplôme Approfondi de Langue Française (DALF (DALF), level C1), Test de connaissance du français - Test de connaissance du français (TCF (TSF) - at least 50 points) .

The results of the internship are considered at the OVPO scientific seminar.

#### 74. Requirements for R&D of a PhD student:

- 1) compliance with the main issues of the educational program of doctoral studies, on which the doctoral dissertation is defended;
- 2) relevant and contains scientific novelty and practical significance;
- 3) is based on modern theoretical, methodological and technological achievements of science and practice;
- 4) is based on modern methods of processing and interpreting data using computer technology;
- 5) is performed using modern methods of scientific research;
- 6) contains research (methodological, practical) sections on the main protected provisions.

#### 75. Requirements for the EIRD of a doctor in the profile studying under the program:

- 1) compliance with the main issues of the educational program of doctoral studies, on which the doctoral dissertation is defended;
- 2) relevant and contains scientific novelty and practical significance;



3) is based on modern achievements in science, technology and production and contains specific practical recommendations, independent solutions to management problems of a complex, cross-functional nature;

4) is performed using advanced information technologies;

5) contains experimental research (methodological, practical) sections on the main protected provisions.

76. Every year, at the end of the academic year, a doctoral student undergoes an academic certification for the implementation of an individual work plan. The procedure for conducting academic attestation of a doctoral candidate is determined by the OVPO independently.

77. The implementation of a doctoral dissertation is carried out during the period of NIRD (EIRD).

The final result of NIRD (EIRD) is a doctoral dissertation.

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

The scientific leadership is approved by the order of the rector of the OVPO based on the decision of the Academic Council.

79. 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 OVPO (with the exception of the group of training areas "National security and military affairs").

The scientific guidance of doctoral students for the degree of doctor in the field or DBA is carried out by consultants in the amount of at least 2 people, one of whom is a highly qualified specialist in the relevant industry or field of activity.

Scientific consultants ensure the completion of a doctoral dissertation and adherence to the principles of academic integrity, and the timely submission of a dissertation for defense.

**Footnote. Item 79 - as amended by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated 19.01.2023 No. 21 (shall be enforced upon expiration of ten calendar days after the day of its first official publication).**

80. The topic of the doctoral dissertation is determined during the first semester and approved by the decision of the Academic Council. The doctoral student makes changes to the title of the topic of the doctoral dissertation during the first year of study.

When the content of a dissertation research includes information for official use or materials containing state secrets, as well as constituting a commercial secret, the topic

and dissertation research are assigned the appropriate stamp in the manner prescribed by law.

81. The content of the dissertation research is aimed at the implementation of national priorities, state programs, programs of fundamental or applied research.

82. The main results of scientific research of a doctoral student 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 Normative legal acts under No. 6951).

83. The structure of the educational program of doctoral studies in the scientific and pedagogical direction is given in accordance with Appendix 7 to this State Educational Standard.

The structure of the educational program of the 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 educational program of doctoral studies in the scientific and pedagogical direction is given in accordance with Appendix 8 to this State Educational Standard.

Doctoral educational programs are structured according to the principle of modular training.

84. The final certification is at least 12 academic credits in the total volume of the doctoral educational program and is carried out in the form of a dissertation work or a series of articles, the requirements for which are provided for by the Rules for awarding degrees, approved by 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 Normative Legal Acts under No. 6951).

The doctoral dissertation is being tested for the detection of borrowing of the text of 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 a doctoral student, the formed professional and managerial competencies, readiness to independently perform professional tasks and the compliance of his preparation with the requirements of the professional standard and the doctoral educational program.

86. Key and professional competencies of DBA graduates reflect the learning outcomes that characterize the student's abilities:

- 1) own the methodology of a systematic approach to the organization, modern approaches to management and analytical methods of management, methods of diagnostics, analysis and problem solving, as well as methods of decision-making and their implementation in practice;
- 2) skillfully 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 managerial position and based on a deep understanding of the characteristics of the market economy and its capabilities, functions and economic role of the state, understanding of environmental problems, awareness of the social responsibility of business and adherence 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 world economy and globalization, and navigate issues of international competition.

87. The DBA educational program contains:

- 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 features and principles of the 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 given in accordance with Appendix 9 to this SCES.

90. The research component of the DBA educational program is formed from the applied and research work of a doctoral student, publications and writing a doctoral dissertation.

91. The results of doctoral research are published in at least 7 (seven) scientific publications, journals, including at least 3 (three) in scientific publications from far abroad and presented at international scientific conferences.

The results of doctoral research are being publicly discussed.

92. Scientific supervision of doctoral students of the DBA program is carried out by at least two consultants appointed from among the doctors (candidates of science) with

research (academic) experience or having a DBA degree with experience in managerial, consulting work.

93. Teaching in DBA programs is provided by faculty members with a doctorate or candidate of science degree and (or) persons with professional knowledge and skills in the field of study, with international internships and publications.

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

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

### **Chapter 3**

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 program and necessary to achieve the established learning outcomes in the doctoral educational program.

97. The study load includes all the educational activities of a doctoral student - lectures, seminars, group classes, group exercises, practical and laboratory work, studio classes, work practice, scientific or professional internship, research work (experimental research work), writing and defense of a doctoral dissertation, independent work, including under the guidance of a supervisor.

98. A doctoral student is trained on the basis of an individual work plan, which is compiled under the guidance of scientific consultants.

99. The OVPO independently determines the structure of the doctoral candidate's individual work plan.

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

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

100. When determining the study load 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 OVPO or a scientific organization, the period of final certification (for graduation course).

101. The full academic load of one academic year corresponds to 60 academic credits and corresponds to 1800 academic hours for one academic year. At the same time, during one semester, a doctoral student masters 30 academic credits.

102. One academic credit corresponds to 30 academic hours.

103. The workload specified in paragraphs 100 and 101 of this SCES represents a typical workload. A doctoral candidate earns fewer or more academic credits per semester. For certain categories of doctoral students, depending on the form and technologies of training, the actual time to achieve learning outcomes may differ and is calculated by the OVPO independently.

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

In case of early mastering of the educational program of doctoral studies and successful defense of the thesis, the doctoral student is awarded the degree of Doctor of Philosophy (PhD) or Doctor of the profile, regardless of the period of study.

#### **Chapter 4. Requirements for the level of preparation of a doctoral student**

105. Requirements for the level of preparation of a doctoral student are determined on the basis of the Dublin descriptors of 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 discipline.

106. The third level descriptors of the Comprehensive Qualifications Framework for the European Higher Education Area (QF-EHEA) reflect learning outcomes that characterize the student's ability to:

- 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 with their own original research to the expansion of the boundaries of the scientific field, which 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, in an academic and professional context, the technological, social or cultural development of a society based on knowledge.

107. Persons who have mastered the educational program of doctoral studies and defended a doctoral dissertation, with a positive decision of the dissertation councils of the OVPO with a 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 a diploma is issued 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 Normative Legal Acts under No. 6951), and an application (transcript).

108. Persons who have received a PhD degree, in order to deepen scientific knowledge, solve scientific and applied problems on a specialized topic, carry out a post-doctoral program or conduct scientific research under the guidance of a leading scientist of the chosen OVPO.

109. A graduate of a specialized doctoral program is engaged in scientific and pedagogical activities only when he masters a cycle of disciplines of a pedagogical profile and undergoes pedagogical practice. This cycle is mastered during an additional academic period (if not provided for by the educational program of doctoral studies), upon completion of which he is issued an appropriate certificate for the main diploma.

110. A doctoral student who has mastered the full course of theoretical study of the doctoral educational program, but who has not completed R&D (EIRD), is given the opportunity to re-master academic credits of R&D (EIRD) and defend a dissertation in subsequent years on a paid basis.

A doctoral student who has mastered the full course of theoretical training of the doctoral educational program, who completed research and development work (EIRD), but did not defend a doctoral dissertation, is awarded learning results 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 basis in the amount of at least 4 academic credits.

At the same time, after 3 years after graduation, a doctoral candidate is defended only after the re-approval of the scientific justification of the dissertation research (research proposal (research propozal)) on a paid basis.

In a higher education institution, a doctoral student who has mastered the full course of theoretical training of the doctoral educational program, but has not defended a doctoral dissertation. the opportunity to defend a dissertation in subsequent years is

given. The procedure for re-mastering the credits of the scientific component and defending the dissertation is determined by the university independently.

#### Chapter 5

111. The term of doctoral studies is determined by the amount of mastered academic credits. Upon mastering the established amount of academic credits and achieving the expected learning outcomes for obtaining a Doctor of Philosophy (PhD) degree or by profile, the doctoral educational program is considered to be fully mastered.

112. 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 period of study of at least three years;
- 2) profile with a period of study of at least three years.

113. Typical terms of study for the DBA educational program are at least 3 years.

Annex 7  
to the state obligatory  
standard of postgraduate  
education

#### The structure of the educational program of doctoral studies in the scientific and pedagogical direction

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	1350	45
1.1	The cycle of basic disciplines (DB) 1) Academic writing 2) Research methods		
1)	University component and (or) elective component		
2)	Teaching practice	At least 300	At least 10
1.2	Cycle of major disciplines (PD)		
1)	University component and (or) elective component		
2)	Research practice	At least 300	At least 10
2	Research work of a doctoral student (NIRD)	3690	123
1)	Research work of a doctoral student, including an internship and a doctoral dissertation		
3	Additional types of training (VET)		
4	Final certification (FA)	360	12
1)	Writing and defending a doctoral dissertation	360	12

	Total	At least 5400	At least 180
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Annex 8  
to the state obligatory  
standard of postgraduate  
education

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

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	at least 1350	at least 45
1.1	Cycle of basic disciplines (DB)		
1)	University component		
2)	Teaching practice		
1.2	Cycle of major disciplines (PD)		
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 a doctoral dissertation	720	24
3.	Additional types of training (VET)		
4.	Final certification (FA)	360	12
1)	Writing and defending a doctoral dissertation		
	Total	At least 5400	At least 180

Appendix 9  
to the state obligatory  
standard of postgraduate  
education

**DBA program structure**

No.	Names of blocks and disciplines	Volume in academic hours	Volume in academic credits
1	Block of disciplines for the formation	1290	43



	of professional competencies		
1.1	University component:	150	5
	Methodology and research methods	150	5
1.2	Selectable Component	300	10
1.3	Research practice	840	28
	Incl. Field module / Internship abroad		
2	Block of disciplines of personal development and formation of leadership qualities	300	10
	Selectable Component	300	10
3	Research work, including the completion of a doctoral dissertation	3450	115
4	Final certification (writing and defending a doctoral dissertation)	360	12
	Total	At least 5400	At least 180

Annex 10  
to the state obligatory  
standard of postgraduate  
education

### The structure of the educational program of doctoral studies by profile

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	1350	45
1.1	The cycle of basic disciplines (DB) 1) Academic writing 2) Research methods		
1)	University component and (or) elective component		
1.2	Cycle of major disciplines (PD)		
1)	University component and (or) elective component		
2)	Internship	At least 600	At least 20
2	Experimental research work of a doctoral student (EIRD)	3690	123
1)	Experimental research work of a doctoral student, including an internship and a doctoral dissertation		
3	Additional types of training (VET)		

4	Final certification (FA)	360	12
1)	Writing and defending a doctoral dissertation	360	12
	Total	At least 5400	At least 180

Annex 11  
to the state obligatory  
standard of postgraduate  
education

**The structure of the educational program of doctoral studies by profile in higher education institutions**

No. p / p	Name of cycles of disciplines and activities	General labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	at least 1350	at least 45
1.1	Cycle of basic disciplines (DB)		
1)	University component (VC):		
1.2	Cycle of major disciplines (PD)		
1)	University component (VC)		
2)	Internship		
2	Experimental research work of a doctoral student (EIRD)	no more than 3450	no more than 115
1)	Experimental research work of a doctoral student, including an internship and a doctoral dissertation		
3	Additional types of training (VET)		
4	Final certification (FA)	360	12
1)	Writing and defending a doctoral dissertation		
	Total	at least 5400	at least 180