

Disciplines of the Educational Program

No.	Modules (Disciplines)	Brief Description of Modules	Learning Outcomes (LO)	Credits	Hours	Competency Index	Form of Assessment
1	GED 1. Russian Language	Phonetics; spelling; vocabulary; word formation and morphology; syntax; punctuation; stylistics and speech culture; stylistic coloring of words; types of outlines; phraseological units; proverbs; use of set expressions in official-business style; idioms and expressions borrowed from other languages.	LO 1.1 Understand the main and detailed information of a text while expressing a critical attitude toward what is heard. LO 1.2 Construct an extended monologue including at least three microtopics within socio-political, socio-cultural, and educational-scientific spheres.	4	96	C1	Exam
2	GED 2. Russian Literature	Methods of methodological activity; educational programs for primary school students; literary language norms; orthoepy; spelling; punctuation; vocabulary; grammar; stylistics; speech etiquette rules in oral and written communication; literature as spiritual heritage in the context of globalization.	LO 2.1 Understand the content and issues of literary works and critically express attitudes toward what is heard or read.	4	96	C1	Credit
3	GED 3. Kazakh Language and Literature	Listening, speaking, reading, and writing skills necessary for communication in socio-cultural, socio-economic, scientific-technical, educational, and professional spheres.	LO 3.1 Make predictions based on text fragments and continue the topic using personal knowledge.	4	96	C1	Exam

No.	Modules (Disciplines)	Brief Description of Modules	Learning Outcomes (LO)	Credits	Hours	Competency Index	Form of Assessment
4	GED 4. Foreign Language	Main methodological and pedagogical technologies in foreign language teaching; high level of language skills; CLIL method; skimming reading; English intonation basics.	LO 4.1 Understand the importance of using teaching materials in foreign language instruction.	4	96	C1	Credit
5	GED 5. History of Kazakhstan	Main events and processes of national history; civilization development; ethnic and social processes; political and legal processes; education and science development.	LO 5.1 Contribute to humanity through analysis of the achievements of Central Asian peoples' material culture.	4	96	C3	Exam
6	GED 6. World History	Main events and processes of world history; civic-patriotic qualities; national and universal values; development of civilizations and cultures.	LO 6.1 Identify features of ancient civilizations based on comparative analysis.	3	72	C3	Credit
7	GED 7. Mathematics	Functions and graphs; trigonometric functions; exponential and logarithmic equations; derivatives and integrals; probability theory; stereometry; geometric bodies and volumes.	LO 7.1 Master the basic concepts of mathematical analysis and describe functions.	6	144	C2	Exam
8	GED 8. Informatics	Role of information processes in society; information technologies; AI	LO 8.1 Explain the meanings of "information security," "confidentiality," and "integrity."	3	72	C6	Credit

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		opportunities; hardware and software; data representation; computer networks.					
9	GED 9. Physics	Scientific worldview foundations; mechanics; molecular physics; electricity and magnetism; optics; quantum physics; nanotechnology; cosmology.	LO 9.1 Apply laws of mechanical motion in explaining natural and technical phenomena.	3	72	C2	Credit
10	GED 10. Chemistry	Substances and their transformations; chemical laws and theories; chemical reactions; chemistry and environment; chemistry and life.	LO 10.1 Explain the composition and structure of atoms and electron distribution.	3	72	C2	Credit
11	GED 11. Biology	Modern biological knowledge; structure and functions of living organisms; heredity; evolution; ecology; biotechnology.	LO 11.1 Describe the structure, composition, and functions of proteins, fats, and carbohydrates.	3	72	C2	Exam
12	GED 12. Geography	Geographical knowledge and skills for solving geoeological, geopolitical, and global issues; cartography and geoinformatics.	LO 12.1 Master general geographical and modern geographical research methods.	3	72	C2	Credit
13	GED 13. Graphics and Design	Projection methods; graphic modeling; graphic culture; visualization methods; image transformation; technical graphics.	LO 13.1 Master methods and techniques of graphic representation, including computer graphics.	3	72	C2	Credit

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14	GED 14. Initial Military Training	Fundamentals of state defense; Armed Forces of Kazakhstan; tactical and fire training; military robotics; life safety basics.	LO 14.1 Understand the essence and features of state defense and the purpose of the Armed Forces.	4	96	C4	Credit
15	GED 15. Physical Education	Physical culture basics; athletics; sports games; gymnastics; tourism; healthy lifestyle.	LO 15.1 Follow safety rules and personal hygiene during physical education classes.	5	120	C5	Credit
16	GED 16. Global Competencies	Value orientations; communication skills; ethics; global competence; financial literacy; intercultural interaction.	LO 16.1 Understand global competencies and their importance for personal development.	1	24	C3	Credit

Mandatory Modules (General Humanities and Socio-Economic Disciplines)

No.	Module	Brief Description	Learning Outcomes	Credits	Hours	Competency	Assessment
1	MM 1. Development and Improvement of Physical Qualities	Social-biological and psychophysiological foundations of physical education; healthy lifestyle.	Develop healthy lifestyle skills and improve physical qualities.	6	144	C5	Exam
2	MM 2. Use of Information, Communication and Digital Technologies	Modern technologies for information processing; AI opportunities; information technologies.	Master ICT fundamentals and understand AI basics.	3	72	C6	Exam

No.	Module	Brief Description	Learning Outcomes	Credits	Hours	Competency	Assessment
3	MM 3. Application of Basic Economic Knowledge and Entrepreneurship Fundamentals	Market economy principles; entrepreneurship development; business organization in Kazakhstan.	Analyze economic processes and entrepreneurship foundations.	3	72	C3	Exam
4	MM 4. Application of Social Science Fundamentals for Socialization and Adaptation	Philosophy; culture; law; sociology; political science; adaptation in society and labor collectives.	Understand moral values, law basics, sociology, and anti-corruption policies.	4	96	C4	Exam

Basic Modules (General Professional Disciplines)

No.	Module	Brief Description	Learning Outcomes	Credits	Hours	Competency	Assessment
1	BM 1. Formation of Psychological and Pedagogical Foundations of Professional Activity	Teaching principles; psychology; pedagogical skills; interaction and classroom management.	Master pedagogical and psychological foundations of teaching.	13	312	C7	Exam
2	BM 2. Creating a Safe Educational Environment	Inclusive education; safe environment technologies; prevention of bullying and discrimination.	Apply modern technologies for creating a safe educational environment.	8	192	C8	Exam

Professional Modules (Special Disciplines)

No.	Module	Brief Description	Learning Outcomes	Credits	Hours	Competency	Assessment
1	PM 1. Organization and Implementation of the Educational Process	Oral and written communication; active listening; scientific writing; Russian language teaching methods.	Organize the educational process for teaching the Russian language.	23	552	C9	Exam
2	PM 2. Modern Approaches to Organizing the Educational Process	Mathematics teaching methods; natural science teaching; environmental education; digital technologies.	Apply teaching technologies and educational resources in the learning process.	46	1104	C10	Exam
3	PM 3. Assessment of Students' Academic Achievements	Fine arts; technology; music education; extracurricular activities; assessment methods.	Apply criterion-based assessment and monitor students' progress.	17	408	C10	Exam
4	PM 4. Introducing Students to Creative Activities	Educational work; creative activities; music; arts; prevention of bullying and discrimination.	Develop students' creativity and artistic-technological knowledge.	9	216	C11	Exam
5	PM 5. Homeroom Management: Planning and Implementation of Educational Activities	Ethics of pedagogical activity; class management; cooperation with parents; healthy lifestyle promotion.	Carry out homeroom management and organize educational activities.	12	288	C12	Exam
6	PM 6. Implementation of Educational and Methodological Activities	Educational documentation; pedagogical research; self-reflection; educational project development.	Develop teaching materials and conduct research activities.	27	648	C13	Exam

Summary

Title	Credits	Hours
Intermediate Assessment	9	216
Final Assessment	3	72
Independent Work	60	1440
Elective Classes	20	480
Consultations	16	384