



APPROVED

Recto for Academic Affairs  
A.K. Khikmetov

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**TABLE OF CORRESPONDENCE OF SPECIALTIES OF THE  
PREVIOUS LEVEL  
EDUCATION TO MASTER'S DEGREE PROGRAMMES  
for 2020-2021 academic year.**

№	Code of EP	Title of the educational program	The list of related specialties that do not require training by pre-requisites (name of the specialty)	Prerequisites of the educational program for graduates of unrelated specialties (name of the discipline)	Number of credits (ECTS)
<b>FACULTY OF BIOLOGY AND BIOTECHNOLOGY</b>					
1	7M05101	Biology	Biology Biotechnology Fisheries and industrial fisheries Agronomy Zootechny Ecology	Genetics Botany Zoology Cell biology	5 6 6 5
2	7M01504	Biology -educational	Biology Biotechnology Biophysics	Botany Zoology Human and animal anatomy Fundamentals of evolutionary physiology of humans and animals Methods of teaching biology	6 6 5 5 6
3	7M05102	Biomedicine	Biology Biotechnology Biophysics Biomedicine	Botany Human anatomy Human physiology Medical biophysics Immunology with the basics of pathology Medical microbiology	6 5 5 6 5 5
4	7M05109	Biotechnology	Biology Biotechnology	Biochemistry Microbiology General and molecular genetics	6 5 5
5	7M05103	Biophysics	Biology Biotechnology Biomedicine Biophysics	Physics Zoology Botany Biophysics	6 6 6 5

				Human and animal physiology	5
				Cell biology	5
6	7M051	Genetics Genetics (1.5 years) Genetics (1 year) IT Genetics	Biology Biotechnology Fisheries and industrial fish farming Genetics	General and molecular genetics Molecular biology Genetic engineering	5 5 5
7	7M05112	Geobotany	Biology Biotechnology Plant protection and quarantine Geobotany	Botany Ecology	6 5
8	7M051	Food biotechnology Phytobiotechnology Nanobiotechnology in the food industry Environmental biotechnology	Biology Biotechnology	Biochemistry Microbiology	6 5
9	7M08401	Fisheries and industrial fisheries	Fisheries and industrial fisheries Biology Agronomy Zootechny Ecology	Zoology Aquaculture Ichthyology	6 5 5
<b>FACULTY OF ORIENTAL STUDIES</b>					
10	7M022117	Oriental studies	Oriental studies Regional studies (Eastern countries) Foreign Philology (Eastern languages) Translation business (Eastern languages) Turkology	Special foreign (Eastern) language History of the country under study Literature of the country under study	5 5 5
11	7M02310	Foreign Philology (Oriental languages)	Oriental studies Regional studies (Eastern countries) Foreign Philology (Eastern languages) Translation business (Eastern languages) Turkology	Special foreign (Eastern) language Literature of the country under study Lexicology of the language being studied	5 5 5
12	7M02302	Translation business (Eastern languages)	Oriental studies Regional studies (Eastern countries) Foreign Philology (Eastern languages) Translation business (Eastern languages) Turkology	Theory and practice of translation Theory and practice of intercultural communication Special foreign (Eastern) language	5 5 5
13	7M03115	Regional studies (Eastern countries)	Oriental studies Regional studies (Eastern countries) Foreign Philology (Eastern languages) Translation business (Eastern languages) Turkology	Foreign language (Eastern) of the region of specialization History of the country of the region under study Theory and practice of intercultural communication	5 5 5

14	7M02216	Turkology	Oriental studies Regional studies (Eastern countries) Foreign Philology (Eastern languages) Translation business (Eastern languages) Turkology	Advanced Turkish language Turkic folklore Comparative-historical grammar of the Turkic languages	5 5 5
FACULTY OF MEDICINE AND HEALTH CARE					
15	7M10104	Medicine (research doctor) (2 years old)	Higher professional education in the specialty: Medical business Pediatrics Oriental medicine General medicine Dentistry General medicine, Pediatrics	Fundamentals of evidence-based medicine Epidemiology Biostatistics	5 3 6
16	7M041	Management in health care (1 year)	Higher professional education	Economic theory Health organization	6 3
17	7M041	Healthcare management (1.5 years)	Higher professional education	Economic theory Health organization	6 3
18	7M10101	Healthcare management (2 years old)	Higher professional education in the specialty: Management State and local government Economy World economy Public health General medicine Medical business Pediatrics	Economic theory Health organization	6 3
19	7M101	Public health	Higher professional education in the specialty: Public health General medicine Medical business Pediatrics Oriental medicine Dentistry Nursing Pharmacy Jurisprudence Economy Management State and local government World economy	Biostatistics Public health	6 5
20	7M10105	Nursing (research Nurse) (2 years old)	Higher professional education in the specialty: General medicine Medical business	Health assessment Fundamentals of bioethics	3 5

			Pediatrics Dentistry Nursing General medicine, Pediatrics Nursing		
21	7M01401	Physical culture and sport	Physical culture and sport	Theory of physical culture and sport Physiological foundations of physical education and sports History of physical culture and sport	5 5 5
22	7M04219	Law in healthcare	Jurisprudence Public health General medicine Medical business Pediatrics Dentistry Sanitation and hygiene Public health General medicine Pediatrics Nursing	Basic law Fundamentals of forensic medicine	5
<b>HIGHER SCHOOL OF BUSINESS AND ECONOMICS</b>					
23	7M041	Banking Finance Taxes and taxation Insurance business	Finance Accounting and audit Economy World economy Management State and local government Marketing Logistics	Finance Money, credit, banks Corporate finance	5 5 5
24	7M04104	State and local government	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance Economy	State regulation of the economy Public administration strategy Organization of public service	6 5 6
25	7M04109	Innovation management	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance Economy	Management Personnel management Business organization	6 6 6

26	7M11301	Logistics	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance	Basics of logistics Supply chain management Transport logistics	6 5 5
27	7M04129	Marketing	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance	Marketing Marketing management Marketing research	6 5 6
28	7M04112	Management	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance Economy	Management Personnel management Business organization	6 6 6
29	7M04105	Entrepreneurship and law	Economy Management Accounting and audit Finance State and local government Marketing Statistics Organization and rationing of labor Evaluation World economy Organization and rationing of labor State audit Sports management Jurisprudence International law Customs matter Related specialties of foreign universities	Macroeconomics Financial law Economics of enterprise	6 5 5
30	7M04116	Project management	Marketing Management State and local government Logistics (by industry) Accounting and audit Finance Economy	Management Personnel management Business organization	6 6 6

31	7M04117	Accounting and audit	Finance Accounting and audit Economy The world economy management State and local government Marketing Logistics	Financial accounting Management accounting Audit	6 5 5
32	7M04102	Economy	Economy Management Accounting and audit Finance State and local government Marketing Statistics Organization and rationing of labor Evaluation World economy Organization and rationing of labor State audit Sports management Logistics Related specialties of foreign universities	Macroeconomics Econometrics Economics of enterprise	6 5 5
FACULTY OF GEOGRAPHY AND ENVIRONMENTAL SCIENCES					
33	7M11201	Life safety and environmental protection	Life safety and environmental protection Ecology Physics Chemistry Mining Biotechnology Chemical technology of inorganic substances Electroenergetics	The basics of safety (the Safety of human life) Occupational health and Safety) Physics Ecology and sustainable development	3 6 5 5
34	7M05203	Geography	Preparation of geography teachers Geography Land management Cadastre Meteorology Hydrology Tourism Ecology	Physical geography of Kazakhstan Economic and social geography of Kazakhstan Introduction to economic, social and political geography	5 5 5
35	7M07301	Geodesy	Computer science Mathematics Geography Hydrology	Geodesy	6

			Mine surveying Land management Cadastre Geodesy and cartography		
36	7M07302	Geoinformatics	Computer science Mathematics Geography Hydrology Mine surveying Land management Cadastre Geodesy and cartography	Cartography	6
37	7M05206	Hydrology	Hydrology Hydrometeorology Water resources	Fundamentals of hydrology Hydrometry Hydrological calculations Modern methods of statistical processing of hydrological information Hydrological forecast	5 5 5 5 5
38	7M05205	Energy diplomacy	Preparation of geography teachers Geography Land management Cadastre Meteorology Hydrology Tourism International relations	Physical geography of Kazakhstan Economic and social geography of Kazakhstan Introduction to economic, social and political geography	5 5 5
39	7M07304	Land management	Preparation of geography teachers Geography Land management Cadastre Meteorology Hydrology Tourism Geodesy Cartography	Theoretical foundations of land management Inter-farm land management Intra-farm land management of agricultural formations	5 5 5
40	7M07305	Cadastre	Preparation of geography teachers Geography Land management Cadastre Meteorology Hydrology Tourism Geodesy Cartography	Land cadastre Geodesy Land management	5 6 5

41	7M07303	Cartography	Computer science Mathematics Tourism Geography Hydrology Mine surveying Land management Cadastre Geodesy and cartography	Cartography	6
42	7M11202	Integrated security management and audit in industry	Life safety and environmental protection Ecology Physics Chemistry Oil and gas business Geodesy and cartography Mining Chemical technology of inorganic substances Electroenergetics Management State audit Evaluation Technological machines and equipment	The basics of safety (the Safety of human life) Occupational health and Safety) Physics Ecology and sustainable development	3 6 5 5
43	7M05207	Meteorology	Meteorology Hydrometeorology	Physical meteorology Synoptic meteorology Climatology Fundamentals of dynamic meteorology	5 5 5 5
44	7M01505	Preparation of geography teachers	Preparation of geography teachers Geography Land management Cadastre Meteorology Hydrology Tourism Ecology	Methods of teaching geography General land studies Geography of the world economy	5 6 5
45	7M05210	Natural-technogenic risks	Ecology Geoecology Geography Hydrology Meteorology Life safety and environmental protection Geodesy and cartography	Cartography	6
46	7M11104	Restaurant and hotel business	Restaurant and hotel business Tourism Leisure	Theoretical bases of service activity	6



			Management and administration Marketing and advertising Labor skills Biological and related Sciences Environment Earth science Food production Social work Transport service		
47	7M11203	Technosphere security	Life safety and environmental protection Ecology Physics Chemistry Oil and gas business Geodesy and cartography Mining Biotechnology Chemical technology of inorganic substances Electroenergetics	The basics of safety (the Safety of human life) Occupational health and Safety) Physics Ecology and sustainable development	3 6 5 5
48	7M111	Tourism Tourism (RPFU) Tourism (BSU)	Leisure Restaurant and hotel business Sanitary and preventive measures Transport service Interdisciplinary programs related to services Tourism	Tourism management	6
49	7M052	Ecology Ecology and environmental management (DD with NRU BelSU) Ecology (JEP's with NEPU, China) Geoecology and environmental management Geo-ecological environmental management	Ecology Life safety and environmental protection Geography Hydrology Biology Biotechnology Chemistry Meteorology Tourism	Ecology and sustainable development The safety of human life Geoecology Ecological monitoring	5 5 5 5
<b>FACULTY OF JOURNALISM</b>					
50	7M03201	Data-journalism	Journalism Public relation Publishing business Design Mathematical and computer modeling (data Processing and analysis) Information security systems	Analytical journalism	6
51	7M03214	Business communication		Analytical journalism	6

52	7M02102	Design	All areas of design (landscape, industrial, interior, fashion, construction, etc.), Fine art and drawing Graphics Decorative arts Painting Art criticism Composition Direction Sculpture Architecture Publishing business	Figure 1	6
53	7M03202	Journalism	Public relation Publishing business Design Sociology	History of Kazakh journalism	6
54	7M02101	Publishing business	Publishing business Journalism Design Polygraphy Public relation	Standards in the book business	5
55	7M03203	International journalism	Journalism Public relation Publishing business Design International relations	History of Kazakh journalism	6
56	7M03204	Public relations	Journalism Publishing business Design State and local government	Introduction to " public relations "(PR)	6
FACULTY OF HISTORY, ARCHEOLOGY AND ETHNOLOGY					
57	7M032	IT Archivology and document management	Library science	Archival science Document management Archeography Information technology Automated archive technologies Information technologies in pre-school INSTITUTIONS	6 6 6 5 5 5
58	7M02207	Archaeology and Ethnology	Archaeology and Ethnology History Museum management and monument protection	Ancient and medieval history of Kazakhstan World history Fundamentals of archaeology Fundamentals of Ethnology Methods of archaeological excavations	5 5 6 5 5

59	7M03205	Archival science, scientific discipline of documentation and documentation support	Library science	Archival science Document management Archeography Information technology Automated archive technologies Information technologies in pre-school INSTITUTIONS	6 6 6 5 5 5
60	7M03206	Library information system	Archival science, scientific discipline of documentation and documentation support	Library science Bibliography studies Databases in information systems Information security in the media Is design	6 6 5 5 5
61	7M02209	Historical computer science	Archaeology and Ethnology History Museum management and monument protection	Medieval history of Kazakhstan New history of Kazakhstan Medieval history New history of Europe and America	6 5 6 5
62	7M01601	History	Archaeology and Ethnology History Museum management and monument protection	Methods of teaching history New history of Western countries Recent history of Western countries Medieval history of Kazakhstan New history of Kazakhstan	5 5 5 6 5
63	7M02210	History	Archaeology and Ethnology History Museum management and monument protection	Medieval history of Kazakhstan New history of Kazakhstan Medieval history New history of Europe and America The theory of the historical process and of historical knowledge	6 5 6 5 5
64	7M01602	History and geography	Archaeology and Ethnology History Museum management and monument protection Geography	Methods of teaching history Recent history of Western countries New history of Kazakhstan Introduction to economic, social and political geography Cartography	5 5 5 5 5
65	7M02218	Museum management and monument protection	Archaeology and Ethnology History Museum management and monument protection	Introduction to museology The global Museum network Ancient and medieval history of Kazakhstan World history	5 5 5 5
66	7M02214	Public history	Archaeology and Ethnology History Museum management and monument protection	Medieval history of Kazakhstan New history of Kazakhstan Medieval history New history of Europe and America The theory of the historical process and of historical knowledge Fundamentals of archaeology	6 5 6 5 5 6

67	7M02215	Physical anthropology	Archaeology and Ethnology History Museum management and monument protection	Fundamentals of archaeology Human anatomy Anthropology Ancient and medieval history of Kazakhstan World history	6 5 5 5 5
<b>FACULTY OF MECHANICS AND MATHEMATICS</b>					
68	7M05401	Actuarial mathematics	Mathematics Applied mathematics	<b>For the EP:</b> <b>Mathematical and computer modeling</b> <b>Mechanics</b> <b>Information system</b> <b>Computer equipment and software</b> <b>Computer science</b> <b>Automation and management</b> <i>Actuarial mathematics</i> <b>For the EP:</b> <b>Space equipment and technologies</b> <i>Actuarial mathematics</i> <i>Probability theory and mathematical statistics</i>	5 5 5
69	7M07119	Space equipment and technologies	Space equipment and technologies Mechanics Mathematical and computer modeling Aviation equipment and technologies Instrument making Radio engineering, electronics, telecommunications Physics	Mechanics Programming Mathematics	5 5 5
70	7M054	Mathematics	Mathematics Applied mathematics	<b>For the EP:</b> <b>Mathematical and computer modeling</b> <b>Mechanics</b> <i>Functional analysis</i> <b>For the EP:</b> <b>Information system</b> <b>Computer equipment and software</b> <b>Computer science</b> <b>Automation and management</b> <b>Space equipment and technologies</b> <i>Functional analysis</i> <i>Mathematical analysis</i>	5 5 5
71	7M05404	Mechanics	Mechanics Space equipment and technologies Mathematical and computer modeling Physics	Theoretical mechanics Continuum mechanics Programming	6 5 5

72	7M05405	Mechanics and power engineering	Mechanics Space equipment and technologies Mathematical and computer modeling Mathematics Physics Engineering Geology and development of mineral deposits	Mechanics Mathematics Programming	5 5 5
73	7M07118	Robotic system	Mechanics Space equipment and technologies Mathematical and computer modeling Automation and management Engineering	Mechanics Mathematics Programming	5 5 5
RSE					
74	7M02207	Archaeology and Ethnology	Archaeology and Ethnology Museum management and monument protection History Archival science, scientific discipline of documentation and documentation support	Introduction to archaeology	6
75	7M03207	Archival science, scientific discipline of documentation and documentation support	History Archaeology and Ethnology Museum management and monument protection Regional studies Library science	Introduction to archival science The history of the office	5 5
76	7M02217	Orientalism	Orientalism Regional studies History; Turkology Foreign Philology Translation business International relations	History of the country under study Foreign policy of the country under study General history	5 5 5
77	7M07128	Intelligent control system	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Computer science Mathematical analysis. Programming technology	5 5 5
78	7M07114	Internet of things	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Programming technology Computer science Mathematical analysis	5 5 5

79	7M01502	Computer science	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Computer science Mathematical analysis Programming technology	5 6 5
80	7M06102	Information system	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Mathematical analysis Information technology Programming technology	6 5 5
81	7M02210	History	History Archaeology and Ethnology Museum management and monument protection Turkology Sociology Political science Orientalism Regional studies Culturology Archival science, scientific discipline of documentation and documentation support Jurisprudence	Ancient history New history of Kazakhstan History Of The Republic Of Kazakhstan	5 5 5
82	7M06103	Computer engineering	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Mathematics Information security system Automation and management	Programming technology Computer science Mathematical analysis	5 5 5
83	7M07119	Space equipment and technologies	Space equipment and technologies Mechanics Mathematical and computer modeling Aviation equipment and technologies Instrument making Radio engineering, electronics, telecommunications Physics	Mechanics Programming Mathematics	5 5 5
84	7M02307	Linguistics	Foreign philology Foreign language: two foreign languages	General linguistics Introduction to linguistics	5 5

			Russian Philology Russian language and literature Kazakh philology Kazakh language and literature Translation business		
85	7M02309	Literary study	Russian language and literature Philological Kazakh language and literature Foreign philologies Translation business Orientalism	Introduction to literary studies Theory of literature Oral folk literature	6 5 5
86	7M06106	Mathematical and computer modeling	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Computer science Mathematical analysis. Programming technology	5 5 5
87	7M06106	Mathematical and computer modeling (IMMM)	Mathematics Mechanics	Mathematical analysis Algebra Differential controls Programming technology	5 5 5 5
88	7M07115	Machine learning and data analysis	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Information security system Automation and management	Programming technology Computer science Mathematical analysis	5 5 5
89	7M05404	Mechanics	Mechanics Space technology m technologies Mathematical and computer modeling Physics	Theoretical mechanics Continuum mechanics Programming	6 5 5
90	7M04101	World economy	World economy Economy Management Accounting and audit Finance State and local government Marketing Statistics International law International relations Regional studies	Economic theory Macroeconomics Theory of economic analysis	6 6 6

			Economics and management at a communications enterprise		
91	7M02206	Museum management and monument protection	Archaeology and Ethnology History Archival science, scientific discipline of documentation and documentation support	Fundamental problems of history Introduction to Museum management and museology	5 5
92	7M03110	Political science	Sociology Philosophy Culturology History International relations International law Regional studies	History of political teachings Modern political process Political systems and regimes Comparative political science	6 5 5 5
93	7M02217	Regional studies	Orientalism Regional studies History Turkology Foreign philology Translation business International relations	History of the country under study Foreign policy of the country under study	5 5
94	7M02203	Religious studies	Religious studies Philosophy Theology Islamic studies Political science Orientalism History Sociology Culturology	History of religion Philosophy of religion Sociology of religion	6 5 5
95	7M06301	Information security system	Computer science Information system Computer equipment and software Mathematical and computer modeling Mathematics Mathematics Information security system Automation and management	Computer science Mathematical analysis. Programming technology	5 5 5
96	7M02202	Philosophy	Philosophy Culturology Religious studies Sociology Political science	History of philosophy of the middle ages and Renaissance The history of Western classical post-classical philosophy History of Kazakh philosophy	5 5 5



97	7M05406	Basic and applied mathematics	Mathematical and computer modeling Mechanics Mathematics Heat power engineering	Mathematical analysis Algebra Functional analysis Differential controls Mathematical physics Department	5 5 2 5 5
98	7M04102	Economy	Economy Management Accounting and audit Finance State and local government Marketing Fundamentals of law and Economics World economy Economics and management at a communications enterprise International law	Economic theory Macroeconomics Microeconomics	6 6 6
FACULTY OF PHYSICS AND TECHNOLOGY					
99	7M071	Materials science and technology of new materials, materials Science and technology of new materials (BelSU)	Physics Nuclear physics Technical Physics Astronomy Materials science and technology of new materials Radio engineering, electronics and telecommunications Standardization, certification and metrology Heat power engineering Power engineering Mathematics (education) Technology and physics of low temperatures Hydroaerodynamics Information Systems Mechanics Computing technology and software Informatics Information security systems Space engineering and technology Instrumentation Metallurgy automation and control Aviation Engineering and Instrumentation	Physics - 1 Physics - 2	5 5
100	7M07120	Nanomaterials and nano-technologies	Physics Nuclear physics Technical Physics	Physics - 1 Physics - 2	5 5

			<p>Astronomy</p> <p>Materials science and technology of new materials</p> <p>Radio engineering, electronics and telecommunications</p> <p>Standardization, certification and metrology</p> <p>Heat power engineering</p> <p>Power engineering</p> <p>Mathematics (education)</p> <p>Technology and physics of low temperatures</p> <p>Hydroaerodynamics</p> <p>Information Systems</p> <p>Mechanics</p> <p>Computing technology and software</p> <p>Informatics</p> <p>Information security systems</p> <p>Space engineering and technology</p> <p>Instrumentation</p> <p>Metallurgy</p> <p>automation and control</p> <p>Aviation Engineering and Instrumentation</p>		
101	7M06201	Radio engineering, electronics and telecommunications	<p>Radio engineering, electronics and telecommunications</p> <p>Physics</p> <p>Nuclear physics</p> <p>Technical Physics</p> <p>Astronomy</p> <p>Materials science and technology of new materials</p> <p>Standardization, certification and metrology,</p> <p>Heat power engineering</p> <p>Power engineering</p> <p>Computing technology and software</p> <p>Information Systems</p> <p>Informatics</p> <p>Information security systems</p> <p>Space engineering and technology</p> <p>Instrumentation</p> <p>Metallurgy</p> <p>automation and control</p> <p>Aviation Engineering and Instrumentation</p>	<p>Physics</p> <p>Electronics Fundamentals</p>	<p>5</p> <p>5</p>
102	7M075	Standardization and certification, Metrology, Technical regulation and quality	<p>Physics</p> <p>Nuclear physics</p> <p>Technical Physics</p>	<p>Mechanics</p> <p>Standardization, certification and Metrology</p>	<p>5</p> <p>5</p>

		management, Standardization and certification (ITMO)	Astronomy Materials science and technology of new materials Radio engineering, electronics and telecommunications Standardization, certification and metrology Heat power engineering Power engineering Mathematics (education) Technology and physics of low temperatures Hydroaerodynamics Information Systems Mechanics Maths Management Computing technology and software Informatics Information security systems Space engineering and technology Instrumentation Metallurgy automation and control Aviation technology and instrumentation		
103	7M071	Heat power engineering, heat Power engineering (SUSU), Alternative energy	Physics Nuclear physics Technical Physics Astronomy Materials science and technology of new materials Radio engineering, electronics and telecommunications Standardization, certification and metrology Heat power engineering Power engineering Mathematics (education) Technology and physics of low temperatures Hydroaerodynamics Information Systems Mechanics Computing technology and software Informatics Information security systems Space engineering and technology Instrumentation	Physics Boiler plants and steam generators	5 5

			Metallurgy automation and control Aviation Engineering and Instrumentation		
104	7M01501	Physics	Physics Nuclear physics Technical Physics Astronomy Materials science and technology of new materials Radio engineering, electronics and telecommunications Standardization, certification and metrology Heat power engineering Power engineering Mathematics (education) Technology and physics of low temperatures Hydroaerodynamics Information Systems Mechanics Computing technology and software Informatics Information security systems Space engineering and technology Instrumentation Metallurgy automation and control Aviation technology and instrumentation	Mechanics Electricity and magnetism	5 5
105	7M053	Physics Physics (RPFU) Physics (TPU) Physics (Osaka) Nuclear physics Nuclear physics (Dubna) Nuclear medicine, Physics and astronomy Applied physics Technical physics (ITMO) Technical physics (KUT) Technical physics (TPU) Plasma physics (MEPhI)	Physics Nuclear physics Technical Physics Astronomy Materials science and technology of new materials Radio engineering, electronics and telecommunications Standardization, certification and metrology Heat power engineering Power engineering Mathematics (education) Technology and physics of low temperatures Hydroaerodynamics Information Systems Mechanics Computing technology and software	Mechanics Molecular physics	5 5

			<p>Informatics  Information security systems  Space engineering and technology  Instrumentation  Metallurgy  automation and control  Aviation technology and instrumentation</p>		
106	7M071	Electronics and control systems	<p>Physics  Nuclear physics  Technical Physics  Astronomy  Materials science and technology of new materials  Radio engineering, electronics and telecommunications  Standardization, certification and metrology  Heat power engineering  Power engineering  Maths  Information Systems  Computing technology and software  Informatics  Information security systems  Space engineering and technology  Instrumentation  Metallurgy  automation and control  Aviation Engineering and Instrumentation</p>	<p>Theoretical Foundations of Electrical Engineering  Electronics Fundamentals</p>	<p>5  5</p>
107	7M07112	Electroenergetics Management in power engineering (MEI)	<p>Physics  Nuclear physics  Technical Physics  Astronomy  Materials science and technology of new materials  Radio engineering, electronics and telecommunications  Standardization, certification and metrology  Heat power engineering  Power engineering  Maths  Information Systems  Computing technology and software  Informatics  Information security systems</p>	<p>Theoretical foundations of electrical engineering  Industrial electronics</p>	<p>5  5</p>

			Space engineering and technology Instrumentation Metallurgy automation and control Aviation technology and instrumentation		
FACULTY OF PHILOLOGY AND WORLD LANGUAGES					
108	7M02312	Foreign Philology (Western languages)	Foreign philology Translation business Foreign language: two foreign languages	Linguistic propaedeutics and special Philology Literature of the country of the language being studied Text style and interpretation	6 6 6
109	7M01704	Foreign language: two foreign languages	Foreign philology Translation business Foreign language: two foreign languages	Modern methods of teaching foreign languages History of the language you are learning Foreign language for academic purposes	6 5 5
110	7M02313	Kazakh philology	Philology Kazakh language and literature Russian language and literature Foreign philology Translation business Foreign language: two foreign languages Journalism Oriental studies	Morphology of the modern Kazakh language Syntax of the modern Kazakh language History of Kazakh literature of the XIX century	6 5 5
111	7M02313	Kazakh philology	Kazakh philology	Actual problems of Kazakh linguistics and literary criticism New directions of Kazakh linguistics and literary criticism Active processes and the theory of the text in the Kazakh language	5 5 5
112	7M01701	Kazakh language and literature	Kazakh language and literature Philology Russian language and literature Foreign philology Translation business Oriental studies Literary study	Methods of teaching Kazakh literature Methodology of teaching the Kazakh language	6 5
113	7M023	Linguistics  Computer linguistics (SOP)  Linguistics (MSLU)	Foreign philology Translation business Foreign language: two foreign languages Kazakh language and literature Russian language and literature Philology: the Kazakh language Philology: Russian language	Introduction to linguistics General linguistics History of linguistics	6 6 5
114	7M02309	Literary study	Kazakh language and literature Philology Russian language and literature Foreign philology Translation business	Introduction to literary studies  Folklore	6 5

			Oriental studies Literary study		
115	7M023	Translation (Western languages)  Simultaneous translation (Western languages)  Translation studies and professional communication (1 year)	Foreign philology Translation business Foreign language: two foreign languages	Fundamentals of translation theory and practice  Theory of intercultural communication in the professional sphere  Linguistic propaedeutics and translation	6 5 6
116	7M02314	Russian Philology	Russian language and literature Philology Linguistics Literary study Foreign language: two foreign languages Foreign philology Translation business Linguistics Kazakh language and literature Translation business Journalism	Introduction to linguistics Introduction to literary studies	6 6
117	7M01702	Russian language and literature	Russian language and literature Philology Foreign philology Linguistics Translation business Foreign language: two foreign languages Kazakh language and literature Journalism History Literary study Pedagogy and psychology	Introduction to linguistics Introduction to literary studies	6 6
FACULTY OF INFORMATION TECHNOLOGIES					
118	7M07113	Business Analytics and Big Data	Automation and management, Computer science Computer equipment and software Information system Information security system Mathematical and computer modeling Mathematics Mechanics Electroenergetics Physics Heat power engineering	Higher mathematics Programming technology	6 6

			<p>Applied physics Nuclear physics Space engineering and technology, Radio engineering, electronics and telecommunications</p>		
119	7M06101	Computational linguistics	<p>Computer science Computer equipment and software Automation and management Information system Information security system Mathematical and computer modeling Mathematics Mechanics Space engineering and technology Radio engineering, electronics and telecommunications Electroenergetics Physics Heat power engineering Applied physics</p>	<p>Computer language Fundamentals of information systems</p>	<p>6 6</p>
120	7M07128	Intelligent control system	<p>Automation and management Computer science Computer equipment and software Information system Information security system Mathematical and computer modeling Mathematics Mechanics Electroenergetics Physics Heat power engineering Applied physics Nuclear physics Space engineering and technology Radio engineering, electronics and telecommunications</p>	<p>Higher mathematics Theoretical foundations of electrical engineering</p>	<p>6 6</p>
121	7M01502	Computer science	<p>Computer science Computer equipment and software Automation and management Information system Information security system Mathematical and computer modeling Mathematics Mechanics</p>	<p>Methods of teaching Informatics Programming Theoretical foundations of computer science</p>	<p>5 5 5</p>



			Space engineering and technology Radio engineering, electronics and telecommunications Electroenergetics Physics Heat power engineering Applied physics Nuclear physics		
122	7M06102	Information system	Information system Information security system, Computer science Computer equipment and software Automation and management Mathematical and computer modeling Mathematics Applied mathematics Mechanics Space engineering and technology Radio engineering, electronics and telecommunications Electroenergetics Physics Heat power engineering Applied physics	Computer language Fundamentals of information systems	6 6
123	7M06103	Computer engineering	Computer science, Computer equipment and software, Automation and management, Information system, Information security systems, Mathematical and computer modeling, Mathematics, Mechanics, Space engineering and technology, Radio engineering, electronics and telecommunications Electroenergetics, Physics, Heat power engineering, Applied physics, Nuclear physics	Computer networks Algorithmization and programming Operating system	5 6 5
124	7M06104	Computer science	Computer science Computer equipment and software Automation and management Information system	Algorithms and data structures Programming languages and technologies Discrete mathematics	6 5 5

			<p>Information security system  Mathematical and computer modeling  Mathematics  Mechanics  Space engineering and technology  Radio engineering, electronics and telecommunications  Electroenergetics  Physics  Heat power engineering  Applied physics  Nuclear physics</p>		
125	7M07115	Machine learning and data analysis	<p>Automation and management  Computer science  Computer equipment and software  Information system  Information security system  Mathematical and computer modeling  Mathematics  Mechanics  Electroenergetics  Physics  Heat power engineering  Applied physics  Nuclear physics  Space engineering and technology  Radio engineering, electronics and telecommunications</p>	<p>Higher mathematics  Programming technologies</p>	<p>6  6</p>
126	7M06301	Information security system	<p>Information security system  Information system  Computer science  Computer equipment and software  Automation and management  Mathematical and computer modeling  Mathematics  Applied mathematics  Mechanics  Space engineering and technology  Radio engineering, electronics and telecommunications  Electroenergetics  Physics  Heat power engineering  Applied physics</p>	<p>The basics of information security  Cryptography  Computer network</p>	<p>5  5  6</p>

FACULTY OF INTERNATIONAL RELATIONS					
127	7M04201	International law	Jurisprudence Customs matter International law Law enforcement	PIL IPL Theory of state and law	6 5 6
128	7M03112	International relations	International relations Regional studies International relations Regional studies	History of international relations in modern times Diplomatic and consular service Foreign policy of the Republic of Kazakhstan Modern problems of international relations	5 5 5 5
129	7M04101	World economy	World economy Economy Finance State control of the economy Marketing Statistics Management Accounting and audit Fundamentals of law and Economics	International economics World economy International business	6 5 5
130	7M02304	Translator in the field of international and legal relations (2 years)	Translation Studies Foreign language: two foreign languages	Introduction to translation studies Translation practice Theory and Practice of Intercultural Communication	5 5 5
131	7M03114	Regional studies	Regional studies International relations	Foreign regional studies Kazakhstan in the system of regional relations Modern problems of regions in the system of international relations Geopolitical concepts of the world's regions	5 6 6 5
132	7M02305	Simultaneous conference translation (1.5 years)	Translation business Foreign language: two foreign languages	Methods and techniques of simultaneous translation Translation of international conferences conferences Interpretation in the field of business communication	4 5 5
FACULTY OF PHILOSOPHY AND POLITICAL SCIENCE					
133	7M03107	Public administration and public security	Political science History International relations Regional studies International law Jurisprudence Philosophy Culturology Religious studies Sociology Social work State and local government Management Journalism	Theory of politics Political kratology Applied political science	6 5 5

			Public relations Oriental studies		
134	7M02205	Islamic studies Islamic philosophy	Turkology Oriental studies Law Art history Sociology Political science Psychology History Journalism Culturology Pedagogy and psychology Pedagogy Philosophy Religious studies	History of religion Religious situation in the Republic of Kazakhstan in modern conditions	6 5
135	7M03108	Conflictology Conflict Studies (Double Diploma)	Political science History International relations International law Jurisprudence Philosophy Culturology Religious studies Sociology Social work Journalism Regional studies Oriental studies State and local self-government Public relations Psychology	Theory of politics Political kratology Political conflictology	6 5 5
136	7M03106	Culturology Cultural anthropology	Culturology Philosophy Pedagogy and psychology Sociology Political science Psychology Journalism History Oriental studies Art history Religious studies Islamic Studies	History of world culture Cultural anthropology	6 5

			Regional studies International relations		
137	7M04134	Management in education (1 year profile direction Distance learning)	Higher vocational education	Economic theory Pedagogy	6 6
138	7M01101	Pedagogy and psychology Pedagogy and psychology (Modern technologies in inclusive education) Pedagogy and psychology (Pedagogy. Management in education) Pedagogy and psychology (Medical and pedagogical support of inclusive education)	Social pedagogy and self-knowledge Pedagogy and psychology Physical culture and sport Vocational training Psychology Pedagogy and methods of primary education All pedagogical specialties in the direction of "Education»	Pedagogy Educational psychology Methods of teaching pedagogy	6 6 5
139	7M03110	Political science Political Science (Dual Degree)	Political science History International relations Regional studies International law Jurisprudence Philosophy Culturology Religious studies Sociology Social work State and local government Journalism Public relations Oriental studies	Theory of politics Political kratology Applied political science	6 5 5
140	7M031	Psychology Child psychology Clinical psychology Personality and organizational psychology Psychology in healthcare (specialized, one-year program) Psychology and sociology of religion Psychology of extreme and emergency situations (profile, one-year) Sports psychology	Pedagogy and psychology Social pedagogy and self-knowledge Philosophy Sociology Social work Culturology Political science Public health	General psychology Developmental psychology	6 6

		(profile, one-year, two-diploma program with URFU)			
141	7M02203	Religious studies Religious Identity in Conflictology	Turkology Oriental studies Law Art history History Sociology Political science Psychology Journalism Culturology Pedagogy and psychology Pedagogy Philosophy Religious studies Islamic Studies	History of religion Modern religious movements and cults	6 5
142	7M01802	Social pedagogy and self- knowledge Self-knowledge and the foundations of humane pedagogy Social pedagogy and self- knowledge (Two-diploma program of URFU)	Pedagogy Pedagogy and psychology Social pedagogy Social work Pedagogy and methods of primary education Physical culture and sport Vocational training Psychology All pedagogical specialties in the direction of "Education»	Social pedagogy Pedagogy Methods of teaching self-knowledge	5 5 5
143	7M102	Social work Social work in healthcare	Sociology Social work Psychology Pedagogy and psychology Jurisprudence Ecology Economy Political science State and local government Social and cultural services	Theory of social work Methods and technologies of social work	6 5
144	7M03101	Sociology	Social work Philosophy International relations Political science Marketing Psychology Management	Methodology and methods in sociology History of sociology	5 5

			Mathematics Culturology Religious studies Regional studies State and municipal administration		
145	7M02202	Philosophy	Higher basic education: Philosophy Higher special education: Cultural studies Religious studies Pedagogy and psychology Sociology Political science Psychology	Kazakh philosophy Philosophical anthropology Social philosophy	5 5 6
FACULTY OF CHEMISTRY AND CHEMICAL TECHNOLOGY					
146	7M07122	Nanomaterials and nanotechnologies in chemistry	CTIS CTOS Chemistry	General and inorganic chemistry Materials science Basic processes and devices in chemical technology	5 5 5
147	7M07201	Oil and gas business	Chemistry CTOS Oil and gas business	General chemical technology Technology of processing of hydrocarbon raw materials	6 5
148	7M07101	Petrochemistry	CTIS CTOS Chemistry	General chemical technology Basic processes and devices of chemical production Technology of processing of hydrocarbon raw materials	6 5 5
149	7M07103	Chemical engineering (eng.)	CTIS CTOS Technology of pharmaceutical production Chemistry Biotechnology Ecology Materials science	General and inorganic chemistry Organic chemistry Mass and heat exchange processes	5 5 5
150	7M07104	Chemical technology of explosives and pyrotechnics	Chemistry CTIS CTOS	Inorganic chemistry Physical methods of research Basic processes and devices in chemical technology	5 6 5
151	7M07105	Chemical technology of inorganic substances	CTOS Chemistry Biotechnology Ecology Materials science	Inorganic chemistry Basic processes and devices in chemical technology General chemical technology	5 5 6
152	7M07106	Chemical technology of organic substances	Chemistry CTOS Pharmaceutical manufacturing technology	Organic chemistry General chemical technology	5 6

153	7M01503	Chemistry	Chemistry CTOS CTIS	Methods of teaching chemistry Methods of teaching chemical experiments Chemistry	5 5 5
154	7M05301	Chemistry	Chemistry CTIS CTOS	General chemistry/Chemistry  Inorganic chemistry  Organic chemistry	5 5 6
FACULTY OF LAW					
155	7M04212	"Maritime and energy law "(double diploma Program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Theory of state and law Criminal law Civil law	6 5 5
156	7M04205	Civil service and administrative activities	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics Political science Sociology Psychology Social work	Theory of state and law Criminal law Civil law	6 5 5
157	7M04204	Civil service and human resources (1 year-specialized)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics Political science Sociology Psychology Social work	Theory of state and law Criminal law Civil law	6 5 5
158	7M04206	State law and constitutional construction management (1 year- specialized program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics Political science Sociology Psychology Social work	Theory of state and law Criminal law Civil law	6 5 5
159	7M04207	Civil law	Jurisprudence Customs matter International law	Theory of state and law Criminal law Civil law	6 5 5



			Law enforcement Fundamentals of law and Economics		
160	7M04208	Civil procedure law (1 year-specialized program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Theory of state and law Criminal law Civil law	6 5 5
161	7M04209	Intellectual property law (1 year-specialized program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Theory of state and law Criminal law Civil law	6 5 5
162	7M04210	Constitutional and administrative law	Law Customs Affairs International law Law enforcement Fundamentals of law and Economics Political science Sociology Psychology Social work	Theory of state and law Criminal law Civil law	6 5 5
163	7M04220	Forensic examination	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Criminal law Criminal procedure law Criminology	5 5 5
164	7M123	Law enforcement Law enforcement (1 year - specialized)	Jurisprudence Customs matter International law Law enforcement	Criminal law Criminal procedure law Criminology	5 5 5
165	6M042 Право	Sports law	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics Physical culture and sport Public health	Theory of state and law Financial law Civil law	6 5 5
166	7M04228	Sports law (1 year-specialized program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics Physical culture and sport Public health	Theory of state and law Financial law Civil law	6 5 5

167	7M0422	Forensic examination Forensic examination of computer technology tools Forensic psychological examination Forensic and economic expertise	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Criminal law Criminal procedure law Criminology	5 5 5
168	7M04227	Judicial and prosecutorial and investigative activities	Jurisprudence International law Law enforcement	Criminal law Criminal procedure law Criminology	5 5 5
169	7M04213	Judicial, prosecutorial and investigative activities (1 year - specialized)	Jurisprudence Customs matter International law Law enforcement	Criminal law Criminal procedure law Criminology	5 5 5
170	7M04222	Forensic philological examination	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Criminal law Criminal procedure law Criminology	5 5 5
171	7M042	Customs matter Customs business (1 year- specialized program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Organization of customs Affairs Customs law Financial law	6 6 5
172	7M04215	Labour law	Jurisprudence Customs matter International law Law enforcement	Theory of state and law Criminal law Civil law	6 5 5
173	7M04216	Financial law	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Theory of state and law Financial law Civil law	6 5 5
174	7M042	Jurisprudence Jurisprudence (1 year-specialized) Jurisprudence (German and international commercial law) (Double degree program)	Jurisprudence Customs matter International law Law enforcement Fundamentals of law and Economics	Theory of state and law Criminal law Civil law	6 5 5