

NON-PROFIT JOINT STOCK COMPANY
"KARAGANDA TECHNICAL UNIVERSITY NAMED AFTER ABYLKAS SAGINOV"

WORKING CURRICULUM

Modular educational program

7M11301 - "Organization of transportation, traffic and operation of transport"
recruitment 2023

Degree awarded: Master of Science

Duration of training: 2 years

Full-time form of education

No.	Module code	Discipline code	Module name and disciplines that make up the module	Distribution by semester					HOURS									Distribution of credits by semester				
				exams	course projects	coursework	test tasks, rgr, pp, abstracts	number of ECTS credits	total volume hour	of them									1 sem	2nd semester	3rd semester	4 sem
										audit. hours	lectures	practical/seminar. classes	laboratory works	Exam	SRMP	SRM						
1	2	3	4	5	6	7	8	9	10	eleven	12	13	14	15	16	17	18	19	20	21		
DB – Basic disciplines																						
<i>1 cycle of basic disciplines - 35 (1050)</i>																						
<i>1.1 University component -20 (600)</i>																						
			Psychological and pedagogical module																			
1	PsiP 01	IFN 5101	History and philosophy of science	1				4	120	50	15	thirty		5	15	55	4					
2		IYa(Prof) 5102	Foreign language (professional)	1				4	120	50		45		5	15	55	4					
3		PedVSh 5103	Higher education pedagogy	1				4	120	50	15	thirty		5	15	55	4					
4		PsiU 5104	Psychology of management	1				3	90	35	15	15		5	10	45	3					
5		PP 5105	Teaching practice	2				5	150						45	105		5				
TOTAL university component								20	600	185	45	120		20	100	315	15	5				
<i>1.2 Component of choice-15 (450)</i>																						
			Module methods of scientific and experimental research																			
1	MNEI 02	ONI 5106 // MPNI 5106	Fundamentals of scientific research // Methodology for conducting scientific research				1	5	150	50	45			5	15	85	5					
2		ORMMRTZ 5107 // MMRTUzhDT 5107	Fundamentals of developing mathematical models for solving transport tasks // Mathematical modeling of technical work railway transport devices	1				5	150	50	15	thirty		5	15	85	5					
3		IOTP 5108 // OTZZhDT 5108	Research of operations in transport processes // Optimization of transport problems in railway transport	1				5	150	50	thirty	15		5	15	85	5					
TOTAL component of choice								15	450	150	90	45		15	45	255	15					
TOTAL basic disciplines								35	1050	335	135	165		35	145	570	thirty	5				
PD – Profiling disciplines																						
<i>2 Cycle of profiling disciplines-53 (1590)</i>																						
<i>2.1 University component -53 (1590)</i>																						
			Module Teaching Methods																			
1	MP 03	K(R)Ya(Prof) 5201	Kazakh (Russian) language (professional)	2				5	150	50		45		5	15	85		5				
2		MPTD 5202	Methods of teaching technical disciplines	2				5	150	50	15	thirty		5	15	85		5				
			Module Technological processes in transport																			
3	TPT 04	TRTS 5203	Technology for developing transport schemes	2				6	180	65	thirty	thirty		5	15	100		6				
4		MMSPL 6204	Methods and models network planning in logistics	3				5	150	50	thirty	15		5	15	85			5			
5		SPPMTP 6205	Modern simulation application transport processes	3				5	150	50	15	thirty		5	15	85			5			
			Transport systems module																			
6	TS 05	OORE5206	Organization and processing of experiment results	2				5	150	50	15	thirty		5	15	85		5				
7		PROKTS 6207	Forecasting development and assessing competitiveness transport systems	3				5	150	50	thirty	15		5	15	85			5			
8		PI 6208	Research practice	3				12	360						60	300				12		
9		UNID 6209	Management of scientific and innovative activities			4		5	150	50	15	thirty		5	15	85				5		
TOTAL major disciplines								53	1590	415	150	225		40	180	995		21	27	5		
TOTAL credits (hours) of training								88	2640	750	285	390		75	325	1565	thirty	thirty	thirty	thirty		
										Number of course projects												
										Number coursework											1	
										Number test tasks, rgr, pp, abstracts											1	
										Number of exams										6	5	4
<i>3 NIRM and final certification 32(960)</i>																						
			Module Final and scientific work																			
1	INR 06	NIRM 5301	Master's student's research work, including completing an internship and completing a master's thesis (NIRM)	2,3,4				24	720						90	630		4	3	17		
2		OSMD 6302	Preparation and defense of a master's thesis	4				8	240						20	220					8	
Total for NIRM and final certification:								32	960						110	850		4	3	25		
TOTAL credits:								120	3600	750	285	390		75	435	2415	thirty	thirty	thirty	thirty		

Approved by the decision of the Academic Council, protocol No. dated.....2023G.

Member of the Board - Vice-Rector for Academic Affairs A.M.

Head UPOA.T.

Head of the department of PT

Temerbaeva

Shakhatova

B.Sh.Askarov