

**NON-PUBLIC JOINT STOCK COMPANY
KARAGANDA TECHNICAL UNIVERSITY**

APPROVED:

Chairman of the Board - Rector
D.T.S., professor M.K. Ibatov
" " " 2021

ACADEMIC CURRICULUM

Modular Educational Program
7M11301 - "Organization of transport, traffic and operation of transport"
set of 2021

Graduate degree: **master in services**
Apprenticeship: **1.5 years**
Mode of Study: **full-time**

No.	Module Code	Discipline Code	Name of Module and Disciplines Forming the Module	Apportion within semester					HOURS								Loan apportion by semester			
				examinations	term projects	term papers	tests, cgw, cw, reports	ECTS credits number	Total hours	including							1 term	2 term	3 term	4 term
										class hours	lectures	practical classes/ seminars	laboratory works	examination	SWT	SIW				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1 Cycle of basic disciplines -15 (450)																				
1.1 University component - 6 (180)																				
Psychology and pedagogical module																				
1	PsyP 01	FL 5101, Man 5102, PsyM 5103	Foreign language (professional), Management, Psychology of management	1				6	180	70	30	30		10	10	100	6			
TOTAL university component								6	180	70	30	30		10	10	100	6			
1.2 Elective Component- 9 (270)																				
Methods of scientific and experimental research module																				
2	MSER 02	BSR 5104 // MCSR 5104	Bases of scientific research // Methodology for conducting scientific research			1	5	150	50	45				5	15	85	5			
3		BDMMSTP 5105 // MMWTDRT 5105	Bases of development of mathematical models at the decision of transport problems // Mathematical modeling of the work of technical devices railway transport	1			4	120	50	15	30			5	10	60	4			
TOTAL elective Component								9	270	100	60	30		10	25	145	9			
TOTAL basic disciplines								15	450	170	90	60		20	35	245	15			
2 Cycle of the main subjects-45 (1350)																				
2.1 University component - 45 (1350)																				
Entrepreneurship and Innovation module																				
1	EI 03	MAPTPM 5201	Modern applied programs of transport processes modeling	1				5	150	50	15	30		5	15	85	5			
2		EE 5202	Engineering entrepreneurship	2				5	150	50	30	15		5	15	85		5		
Technological processes in transport module																				
3	TPT 04	NPMML 5203	Network Planning Methods and Models in Logistics	1				5	150	50	30	15		5	15	85	5			
4		TDTS 5304	Technology of development of transport schemes	1				5	150	50	30	15		5	15	85	5			
5		ORTP 5205	Operations Research in Transport Processes	2				5	150	50	30	15		5	15	85		5		
Transport systems module																				
6	TS 05	FDACTS 5206	Forecasting the development and assessment of the competitiveness of transport systems	2				5	150	50	30	15		5	15	85		5		
7		OPER 5207	Organization and processing of experiment results	2				5	150	50	15	30		5	15	85		5		
8		IP 5208	Industrial practice	2				10	300						45	255		10		
TOTAL main subjects								45	1350	350	180	135		35	150	850	15	30		
TOTAL credits (hours) of training								60	1800	520	270	195		55	185	1095	30	30		
3 ERWM and final certification -30 (900)																				
Final and experimental research work module																				
1	FERW 06	ERWMIIMP 6301	Master's experimental research, including master's student project	3				18	540						90	450				18
2		CTD 6302	Completion and thesis defence	3				12	360						60	300				12
TOTAL ERWM and final certification								30	900						150	750				30
TOTAL credits:								90	2700	520	270	195		55	335	1845	30	30	30	

Approved by the decision of the Academic Council, minutes № ___ from ___ 2021 year

Director of CPT

L.M. Sultanova

Head of the Department IT

B.Sh. Askarov