

HIGHER AND SECONDARY SPECIAL EDUCATION MINISTRY OF THE REPUBLIC OF UZBEKISTAN

“UZBEKISTAN RAILWAYS” JSC TASHKENT INSTITUTE OF RAILWAY ENGINEERS

Sign
Rector _____ M.Rasulov

Curricula
Specialization:
5A310609–Intelligent transport systems

Academic degree - Master
Duration - 2 years
Study form - full-time

201__ йил «__» _____

s.p.

TRAINING PLAN

№	Educational blocks, names of sciences and types of activities	Student's study load (hours)									Course hours, semester and weekly distribution			
		Total study load		Auditorium classes (hours)						Мустанқил таълим	1 course		2 course	
				total	lectures	Practical	Laboratories	seminar	Course project/work		1	2	3	4
											Number of weeks for classes per semester			
		Hours	%	20	20	20	18							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.00	General methodological subjects	260	16,2	130	28	102				130	4	5		
1.01	Research Methodology	84		42	14	28				42		3		
1.02	Methods of teaching special subjects	60		30	14	16				30	2			
1.03	Practical foreign language	116		58		58				58	2	2		
2.00	Specialization Sciences	903	56,5	502	276	93	143			401	12	8	12	6
2.01	Transportation Systems, Transport Planning, and Traffic Management Fundamentals	108		60	30	30				48	4			
2.02	Traffic Modelling and Simulation	208		116	58	28	30		c.w.2	92	4	4		
2.03	Traffic Sensors Technologies, ITS Architectures	187		104	52	24	28			83		4	4	
2.04	Intelligent Vehicle Technologies	108		60	44		16			48	4			
2.05	In-Vehicle Information Systems	146		81	46	11	24			65			4	3
2.06	Positioning Technologies and Geographic Information Systems	146		81	46		35		c.p.4	65			4	3
3.00	Elective sciences	436	27,3	256	142	34	80			180	2	7	7	4
3.01	Philosophy*	52		30	30					22	2			
3.02	Applied Mathematics*	72		42	14		28			30		3		
3.03	Advanced Statistics and Data Analysis	156		92	52	12	28			64		4	3	
3.04	Structured and Object Oriented Programming with MATLAB and PYTHON*	156		92	52	12	28		c.w.3	64		4	3	
3.05	Automation, Driver Assistance, and Digital Services in Railway System*	156		92	46	22	24		c.p.4	64			4	4
3.06	Communications and Localization Systems for Railways	156		92	46	22	24			64			4	4
	Total:	1599	100	888	446	229	213			711	18	20	19	10
4.00	Scientific activity	2667		1482						1185	12	10	11	20
4.01	Preparation of research work and master's thesis	1022		568						454	10	8	9	18
4.02	Scientific work	187		104						83	2	2	2	2
4.03	Scientific Practice (Internship)	1458		810						648				
	Summary:	4266	100	2370						1896	30	30	30	30
5.00	Attestation	486		270						216				
	Total:	4752		2640						2112	30	30	30	30

State attestation:

1. State attestation on science

2. Master thesis defense