Plan of full-time second-cycle studies with a general academic profile in the field of Transport

A. Subjects common for the course of study

In	Subject	Nu		Weekly number of teaching hours (one semester is completed within 15 weeks)																									
∟р.	Subject	Total	in it: ^{*)} Semest									er 1			Semester 2														
		Total	W	С	Ρ	L	Κ	S		W	С	Ρ	L	K S	ECTS	s V	V C	P	L	Κ	S	ECTS	W	С	P	LΚ	S	ECTS	
1	Stochastic Processes	30	15				15		2							1				1		2							
2	Statistics in Engineering Work	30	15	15					2	1	1				2														
3	Mathematical Methods in Transport	30	15	15					3	1 e	1				3														
4	Transport Modelling and Planning	30	15	15					2	1	1				2														
5	Modern Programming Techniques	30	15				15		2							1				1		2							
6	Reliability and Safety Theory	30	15				15		3	1				1	3														
7	Applied Mechanics	30	15	15					2							1	1	1				2							
8	Measurement Systems in Transportation Practice	30	15			15			3	1			1		3														
9	Innovative Means and Infrastructure of Transport	30	30						2	2 e					2														
10	Traffic Management and Control	30	30						2	2 e					2														
11	Teleinformatic Systems in Transport	30	15			15			2							1			1			2							
12	Contemporary Issues in Transport Organization and Technology	30	30						2	2 e					2														
13	Selected Issues of Copyright and Industrial Property Protection	15	15						1														1					1	
14	Preparation for Research	15	15						1														1					1	
15	Elective Course - Humanities or Social Sciences I ¹⁾	30	30						2							2						2							
16	Elective Course - Humanities or Social Sciences II ^{1), 2)}	30	30						2														2					2	
17	Elective Technical Course ¹⁾	30	30						2														2 e					2	
18	Elective Technical Course in a Foreign Language ^{1), 3)}	30	30						2														2 e					2	
19	Master's Diploma Seminar	30						30	2																		2	2	
20	Master's Thesis	45			45				20																3			20	
21	Diploma Internship ⁴⁾								2													2							
	Total number of teaching hours and ECTS points	585	375	60	45	30	45	30	61	11	3	0	1 ′	1 0	19	(6 1	0	1	2	0	12	8	0	3	0 0	2	30	
				585						16						10						13							
	Number of exams			4							0								2										
	Number of tests	23											9						9	9			5						

Comments:

*) W - lecture, C - exercises, L - laboratory, P - project, K - computer classes, S - seminar

1) A set of elective courses for a given academic year is subject to acceptance by the Faculty Council

2) It is required that through completing the "Elective Course - Humanities or Social Sciences II", the student should achieve the learning effect No. Tr2A_W14

3) In case of studies conducted in English, instead of the "Elective Technical Course in a Foreign Language", the student may take 2 hours a week of foreign language course with a workload corresponding to 2 ECTS score points. This may be used to prepare student to the foreign language exam at the C1 Academic Level.

4) Two-week diploma practice is implemented after 2nd semester if the thesis topic requires it

B.Common subjects for specialization Transport systems engineering and management

Lp.	Subject	Nu	ECTS	Weekly number of teaching hours (one semester is completed within 15 weeks)																										
	Subject	Total			in i	it: ^{*)}			ECIS	Semester 1							Semester 2				2									
		Total	W	С	Ρ	L	κ	S		W	С	Ρ	L	ĸ	S EC	TS	W	С	Ρ	L	κ	SI	ECTS	W	С	PL	K	S	ECTS	
1	Transport Systems Planning	30	15		15				3	1		1			;	3														
2	Measurements and Forecasting of Traffic and Transport	30	15	15					2	1	1					2														
3	Urban and Regional Transport Management	30	15		15				3								1		1				3							
4	Design of Multimodal Transport Nodes	30	15			15			3								1 ^e			1			3							
5	Computer-Aided Planning of Transport	45	15			30			3								1			2			3							
6	Human Factor in Intelligent Transport Systems	30	15			15			2								1 ^e			1			2							
7	Transport Automation – Intelligent Motor Vehicles	30	15			15			2								1			1			2							
8	Environmental Protection in Transport	30	15		15				2	1		1				2														
9	Management of Investment Process in Transport	30	15	15					2								1 ^e	1					2							
10	Maintenance and Management of Urban and Regional Infrastructure	30	15		15				3	1		1				3														
11	Legal Regulations in Transport Policy	15	15						1	1						1														
12	Design of Transport Systems	60			60				5										4				5							
	Number of teaching hours and ECTS points for specialization	390	165	30	120	75	0	0	31	5	1	3	0	0	0 1	1	6	1	5	5	0	0	20	0	0	0 0	0	0	0	
	Total number of teaching hours and ECTS points	975	540	40 90 165 105 45 30 975					92	16 4 3 1 1 0 25			0 3	0	12 2 5 6 2 0 27			0	32	8	8 0 3 0 0 2 13			2	30					
	Number of exams	9									4							3							2					
Number of tests 42									18 19 5																					
	Uwagi: *) W - lecture, C - exercises, L - laboratory, P - project, K - computer classes, S - se	eminar																												

It is valid from the education cycle started in 2021/2022 academic year