



CURRICULUM

Professional orientation: **Transport, Navigation and Aviation**

Program: **Transport Engineering and Technologies**

Professional qualification: **Specialist in Transport Engineering and Technologies**

Educational and qualificational degree: **Professional Bachelor**

Form of study: **Full - Time**

Term of study: **3 years / 6 semesters**

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mathematics, part 1	1				30	15		15	60	100	160	6
2	Engineering Graphics and Technical Drawing		1			15		45		60	100	160	6
3	Chemistry	1				30		30		60	100	160	6
4	Information Technologies and Systems		1			15		45		60	75	135	5
5	English				1		45			45	90	135	5
6	Elective Subject				1						30	30	1
6a	Specialized Sport Activities, part 1				1						30	30	1
6b	Sport and Social Adaptation, part 1				1						30	30	1
7	Practical Training, part 1				1						30	30	1
Total for the 1 semester:		2	2		3	90	60	120	15	285	525	810	30
8	Mathematics, part 2	2				30	15	15		60	100	160	6
9	Fundamentals of Engineering, part 1	2				30		30		60	100	160	6
10	Electrical Engineering and Electronics	2				30		30		60	75	135	5
11	Thermodynamics and Heat Transfer		2			30		30		60	75	135	5
12	Interchangeability and Technical Measurements		2			30		30		60	100	160	6
13	Elective Subject				2						30	30	1
13a	Specialized Sport Activities, part 2				2						30	30	1
13b	Sport and Social Adaptation, part 2				2						30	30	1
14	Practical Training, part 2				2						30	30	1
Total for the 2 semester:		3	2		2	150	15	135		300	510	810	30
15	Internal Combustion Engine Fundamentals	3				30		30		60	100	160	6
16	Fundamentals of Engineering, part 1	3				30		15	15	60	100	160	6
17	Transport Technology and Management	3				30		15	15	60	100	160	6
18	Automotive Engineering Fundamentals	3				30		30		60	100	160	6
19	Materials Technology		3			30		30		60	75	135	5
20	Automated Systems for Transport Vehicle Design		3					30		30	75	105	4
21	Elective Subject				3						30	30	1
21a	Specialized Sport Activities, part 3				3						30	30	1
21b	Sports Management, part 1				3						30	30	1

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
22	Practical Training, part 3				3						30	30	1
Total for the 3 semester:		4	2		2	150		150	30	330	610	940	35
23	Construction of Internal Combustion Engines	4				30		30		60	100	160	6
24	Design of Transport Vehicles	4				30		15	15	60	100	160	6
25	Transport Manufacturing Technology	4				30		15		45	115	160	6
26	Repair of Transport Vehicles	4				30		15		45	60	105	4
27	Road Safety		4			30		30		60	75	135	5
28	Economics		4			30		15		45	60	105	4
29	Elective Subject				4						30	30	1
29a	Specialized Sport Activities, part 4				4						30	30	1
29b	Sports Management, part 2				4						30	30	1
30	Practical Training, part 4				4						60	60	2
Total for the 4 semester:		4	2		2	180		120	15	315	600	915	34
31	Maintenance of Transport Vehicles	5				30		30		60	75	135	5
32	Gasoline Fuel Sytems	5				30		30		60	75	135	5
33	Combined and Alternative Engines	5				30		15		45	60	105	4
34	Design of Transport Vehicles, project			5					30	30	30	60	2
35	Technical Safety				5	15		15		30	75	105	4
36	CAD Systems in Transport Engineering		5			15		45		60	75	135	5
37	Exploitation Materials for Transport Vehicles		5			30		15		45	60	105	4
38	Practical Training, part 5				5						60	60	2
Total for the 5 semester:		3	2	1	2	150		150	30	330	510	840	31
39	Gas Automobiles and Gas Stations	6				30		30		60	100	160	6
40	Diesel Fuel Sytems	6				30		30		60	100	160	6
41	Electronic Systems in Transport Vehicles	6				30		30		60	75	135	5
42	Diagnostics of Transport Vehicles	6				30		30		60	75	135	5
43	Specialized Practice				6						90	90	3
Total for the 6 semester:		4			1	120		120		240	440	680	25
Total for all courses of education:		20	10	1	12	840	75	795	90	1800	3195	4995	185

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					Unsuper-vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis / Preparation for State Examination	6	300	10
Defence of Diploma Thesis / State Examination	6		

Accepted from AU with

Protocol No 10 / 25.04.2016

Modified with Protocols No 11 / 06.06.2016

Valid from the 2016 / 2017 academic year.

The weekly allocation of the classes is fixed according to the "Structure of the Learning Process" Academic Board adopted for the current academic year.

Head of Department TET:

/ Assoc. Prof. PhD Ivanov Z. /

Dean of Faculty KSTU:

/ Assoc. Prof. PhD Bogdanov K. /